

# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

## High CV, Screw Terminal Capacitors



Type CGS screw terminal, aluminum electrolytic capacitors have a high CV rating and are suitable for use in most demanding applications requiring high current filtering or energy storage.

## Highlights

- High CV rating
- High current filtering
- Screw terminal

## Specifications

**Capacitance Range:** 75 to 1,500,000 µF

**Voltage Range:** 6.3 to 500 WVdc

**Capacitance Tolerance:** -10% +75% (6.3 - 150 WVdc)  
-10% +50% (200 - 450 WVdc)

**Operating Temperature:** -40 °C to +85 °C

**Ripple Current Multipliers:** Ambient Temperature

| +45 °C | +55 °C | +65 °C | +75 °C | +85 °C |
|--------|--------|--------|--------|--------|
| 2.24   | 2.00   | 1.73   | 1.41   | 1.00   |

| Rated<br>Voltage | Ripple Multiplier |        |        |         |        |
|------------------|-------------------|--------|--------|---------|--------|
|                  | 60 Hz             | 120 Hz | 300 Hz | 1000 Hz | 10 kHz |
| 16 to 150        | 0.9               | 1.0    | 1.15   | 1.25    | 1.30   |
| 200 to 500       | 0.9               | 1.0    | 1.25   | 1.40    | 1.50   |



Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

**DC Leakage Current:**  $I = .006 \sqrt{CV}$

Not to exceed 6.0 mA max. after 5 minutes

C = Capacitance in µF

V = Rated Voltage

I = Leakage current in mA

[Click here to see: Hardware & Mounting Options](#)

**QA Stability Test:** Apply WVdc for 2000 h @ 85 °C

- Capacitance change ± 10% from initial limits
- DC leakage current: 200% of limit
- ESR: 175% of limit

[Click here to see: Mechanical Details](#)

## Typical Performance Curves



# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

## Ratings

| Cap<br>(µF)              | Catalog<br>Part Number | Max<br>Typical Ripple<br>ESR 120 Hz |                   | Dia.<br>(Inches) | Length<br>(Inches) |
|--------------------------|------------------------|-------------------------------------|-------------------|------------------|--------------------|
|                          |                        | 120 Hz<br>(Ω)                       | +85 °C<br>(A) RMS |                  |                    |
|                          |                        | 6.3 WVdc ( 8 Vdc Surge )            |                   |                  |                    |
| 73,000                   | CGS733U6R3R2L          | 0.023                               | 8.0               | 1.375            | 1.625              |
| 95,000                   | CGS953U6R3R3C          | 0.014                               | 10.4              | 1.375            | 3.125              |
| 140,000                  | CGS144U6R3R4C          | 0.011                               | 11.2              | 1.375            | 4.125              |
| 190,000                  | CGS194U6R3V3C          | 0.013                               | 12.6              | 2.000            | 3.125              |
| 210,000                  | CGS214U6R3R5L          | 0.011                               | 10.9              | 1.375            | 5.625              |
| 230,000                  | CGS234U6R3U4C          | 0.009                               | 13.1              | 1.750            | 4.125              |
| 300,000                  | CGS304U6R3V4C          | 0.010                               | 14.7              | 2.000            | 4.125              |
| 310,000                  | CGS314U6R3V5L          | 0.007                               | 16.9              | 2.000            | 5.625              |
| 480,000                  | CGS484U6R3W4C          | 0.007                               | 19.6              | 2.500            | 4.125              |
| 500,000                  | CGS504U6R3W5L          | 0.005                               | 22.9              | 2.500            | 5.625              |
| 670,000                  | CGS674U6R3X4C          | 0.006                               | 20.7              | 3.000            | 4.125              |
| 900,000                  | CGS904U6R3X5C          | 0.005                               | 23.5              | 3.000            | 5.125              |
| 1,000,000                | CGS105U6R3X5L          | 0.005                               | 24.5              | 3.000            | 5.625              |
| 1,100,000                | CGS115U6R3X5R          | 0.004                               | 24.7              | 3.000            | 5.875              |
| 7.5 WVdc ( 9 Vdc Surge ) |                        |                                     |                   |                  |                    |
| 49,000                   | CGS493U7R5R2C          | 0.030                               | 6.7               | 1.375            | 2.125              |
| 71,000                   | CGS713U7R5R2L          | 0.023                               | 7.9               | 1.375            | 2.625              |
| 92,000                   | CGS923U7R5R3C          | 0.019                               | 8.8               | 1.375            | 3.125              |
| 140,000                  | CGS144U7R5R4C          | 0.014                               | 10.3              | 1.375            | 4.125              |
| 190,000                  | CGS194U7R5V3C          | 0.013                               | 12.5              | 2.000            | 3.125              |
| 200,000                  | CGS204U7R5R5L          | 0.012                               | 10.8              | 1.375            | 5.625              |
| 220,000                  | CGS224U7R5U4C          | 0.010                               | 13.1              | 1.750            | 4.125              |
| 290,000                  | CGS294U7R5V4C          | 0.010                               | 14.6              | 2.000            | 4.125              |
| 440,000                  | CGS444U7R5V5L          | 0.007                               | 16.8              | 2.000            | 5.625              |
| 470,000                  | CGS474U7R5W4C          | 0.007                               | 19.5              | 2.500            | 4.125              |
| 650,000                  | CGS654U7R5W5L          | 0.005                               | 24.4              | 3.000            | 4.125              |
| 710,000                  | CGS714U7R5W5L          | 0.005                               | 22.8              | 2.500            | 5.625              |
| 870,000                  | CGS874U7R5X5C          | 0.005                               | 23.4              | 3.000            | 5.125              |
| 980,000                  | CGS984U7R5X5L          | 0.005                               | 24.4              | 3.000            | 5.625              |
| 1,000,000                | CGS105U7R5X5R          | 0.004                               | 24.7              | 3.000            | 5.875              |
| 10 WVdc ( 12 Vdc Surge ) |                        |                                     |                   |                  |                    |
| 7,200                    | CGS722U010R2C          | 0.035                               | 4.5               | 1.375            | 2.125              |
| 12,000                   | CGS123U010R2C          | 0.034                               | 4.6               | 1.375            | 2.125              |
| 14,000                   | CGS143U010R2C          | 0.030                               | 4.9               | 1.375            | 2.125              |
| 18,000                   | CGS183U010R2C          | 0.078                               | 3.1               | 1.375            | 2.125              |
| 20,000                   | CGS203U010R2L          | 0.025                               | 5.9               | 1.375            | 2.625              |
| 26,000                   | CGS263U010R3C          | 0.020                               | 7.0               | 1.375            | 3.125              |
| 33,000                   | CGS333U010R3C          | 0.018                               | 7.4               | 1.375            | 3.125              |
| 43,000                   | CGS433U010R2C          | 0.030                               | 6.7               | 1.375            | 2.125              |
| 44,000                   | CGS443U010V2C          | 0.013                               | 9.4               | 2.000            | 2.125              |
| 62,000                   | CGS623U010R2L          | 0.023                               | 7.9               | 1.375            | 2.625              |
| 81,000                   | CGS813U010R3C          | 0.019                               | 8.8               | 1.375            | 3.125              |
| 94,000                   | CGS943U010V4C          | 0.007                               | 16.3              | 2.000            | 4.125              |
| 110,000                  | CGS114U010W3L          | 0.008                               | 16.7              | 2.500            | 3.625              |
| 120,000                  | CGS124U010R4C          | 0.014                               | 10.3              | 1.375            | 4.125              |
| 170,000                  | CGS174U010V3C          | 0.013                               | 12.5              | 2.000            | 3.125              |
| 180,000                  | CGS184U010R5L          | 0.012                               | 10.8              | 1.375            | 5.625              |
| 200,000                  | CGS204U010U4C          | 0.010                               | 13.1              | 1.750            | 4.125              |
| 250,000                  | CGS254U010V4C          | 0.010                               | 14.6              | 2.000            | 4.125              |
| 390,000                  | CGS394U010V5L          | 0.007                               | 16.8              | 2.000            | 5.625              |
| 410,000                  | CGS414U010W4C          | 0.007                               | 19.5              | 2.500            | 4.125              |
| 580,000                  | CGS584U010W5L          | 0.006                               | 20.6              | 2.500            | 5.625              |
| 630,000                  | CGS634U010W5L          | 0.005                               | 22.8              | 2.500            | 5.625              |
| 780,000                  | CGS784U010X5C          | 0.005                               | 23.4              | 3.000            | 5.125              |
| 880,000                  | CGS884U010X5L          | 0.050                               | 24.4              | 3.000            | 5.625              |
| 920,000                  | CGS924U010X5R          | 0.005                               | 24.7              | 3.000            | 5.875              |
| 16 WVdc ( 20 Vdc Surge ) |                        |                                     |                   |                  |                    |
| 5,500                    | CGS552U016R2C          | 0.037                               | 4.4               | 1.375            | 2.125              |
| 8,900                    | CGS892U016R2C          | 0.034                               | 4.6               | 1.375            | 2.125              |
| 10,000                   | CGS103U016R2C          | 0.033                               | 4.7               | 1.375            | 2.125              |
| 10,000                   | CGS103U016R3C          | 0.024                               | 6.4               | 1.375            | 3.125              |

| Cap<br>(µF)              | Catalog<br>Part Number | Typical Max Ripple<br>ESR 120 Hz |                   | Dia.<br>(Inches) | Length<br>(Inches) |
|--------------------------|------------------------|----------------------------------|-------------------|------------------|--------------------|
|                          |                        | 120 Hz<br>(Ω)                    | +85 °C<br>(A) RMS |                  |                    |
|                          |                        | 16 WVdc ( 20 Vdc Surge )         |                   |                  |                    |
| 12,000                   | CGS123U016R2C          | 0.031                            | 4.8               | 1.375            | 2.125              |
| 15,000                   | CGS153U016R2L          | 0.026                            | 5.6               | 1.375            | 2.625              |
| 15,000                   | CGS153U016R4C          | 0.061                            | 4.5               | 1.375            | 4.125              |
| 17,000                   | CGS173U016R3C          | 0.022                            | 6.7               | 1.375            | 3.125              |
| 19,000                   | CGS193U016R3C          | 0.021                            | 6.8               | 1.375            | 3.125              |
| 21,000                   | CGS213U016R3L          | 0.037                            | 5.5               | 1.375            | 3.625              |
| 22,000                   | CGS233U016V3C          | 0.027                            | 7.6               | 2.000            | 3.125              |
| 24,000                   | CGS243U016R3C          | 0.032                            | 5.6               | 1.375            | 3.125              |
| 25,000                   | CGS253U016R4C          | 0.016                            | 8.8               | 1.375            | 4.125              |
| 25,000                   | CGS253U016V2C          | 0.031                            | 6.1               | 2.000            | 2.125              |
| 33,000                   | CGS333U016R4C          | 0.020                            | 7.9               | 1.375            | 4.125              |
| 33,000                   | CGS333U016V2C          | 0.028                            | 6.5               | 2.000            | 2.125              |
| 34,000                   | CGS343U016R4C          | 0.020                            | 9.8               | 1.375            | 4.125              |
| 34,000                   | CGS343U016V4C          | 0.016                            | 8.8               | 2.000            | 4.125              |
| 35,000                   | CGS353U016R2C          | 0.030                            | 6.7               | 1.375            | 2.125              |
| 38,000                   | CGS383U016R3C          | 0.019                            | 9.4               | 1.375            | 3.125              |
| 38,000                   | CGS383U016V3C          | 0.021                            | 8.6               | 2.000            | 3.125              |
| 49,000                   | CGS493U016R2L          | 0.023                            | 7.9               | 1.375            | 2.625              |
| 50,000                   | CGS503U016V3C          | 0.011                            | 11.7              | 2.000            | 3.125              |
| 55,000                   | CGS553U016R3L          | 0.015                            | 10.2              | 1.375            | 3.625              |
| 55,000                   | CGS553U016V3L          | 0.018                            | 9.6               | 2.000            | 3.625              |
| 62,000                   | CGS623U016R3C          | 0.019                            | 8.8               | 1.375            | 3.125              |
| 66,000                   | CGS663U016R4C          | 0.012                            | 11.6              | 1.375            | 4.125              |
| 66,000                   | CGS663U016V4C          | 0.017                            | 10.8              | 2.000            | 4.125              |
| 68,000                   | CGS683U016V3C          | 0.017                            | 9.5               | 2.000            | 3.125              |
| 70,000                   | CGS703U016V4C          | 0.008                            | 15.2              | 2.000            | 4.125              |
| 77,000                   | CGS773U016V4L          | 0.015                            | 11.8              | 2.000            | 4.625              |
| 80,000                   | CGS803U016X4C          | 0.009                            | 18.9              | 3.000            | 4.125              |
| 83,000                   | CGS833U016V5L          | 0.015                            | 12.9              | 2.000            | 5.625              |
| 90,000                   | CGS903U016R4C          | 0.014                            | 10.3              | 1.375            | 4.125              |
| 91,000                   | CGS913U016V4C          | 0.009                            | 14.7              | 2.000            | 4.125              |
| 100,000                  | CGS104U016X5C          | 0.007                            | 22.5              | 3.000            | 5.125              |
| 110,000                  | CGS114U016W4C          | 0.010                            | 16                | 2.500            | 4.125              |
| 120,000                  | CGS124U016V4C          | 0.007                            | 20.1              | 3.000            | 3.625              |
| 130,000                  | CGS134U016R5L          | 0.010                            | 12.6              | 1.375            | 5.625              |
| 130,000                  | CGS134U016V3C          | 0.011                            | 12.5              | 2.000            | 3.125              |
| 130,000                  | CGS134U016W4L          | 0.009                            | 17.6              | 2.500            | 4.625              |
| 150,000                  | CGS154U016X5L          | 0.007                            | 19.3              | 3.000            | 5.625              |
| 160,000                  | CGS164U016U4C          | 0.010                            | 13.1              | 1.750            | 4.125              |
| 170,000                  | CGS174U016V4C          | 0.004                            | 23.5              | 2.000            | 4.125              |
| 180,000                  | CGS184U016X4L          | 0.006                            | 24.3              | 3.000            | 4.625              |
| 190,000                  | CGS194U016V4C          | 0.007                            | 19.5              | 2.000            | 4.125              |
| 210,000                  | CGS214U016X5R          | 0.005                            | 29.2              | 3.000            | 5.875              |
| 220,000                  | CGS224U016X4C          | 0.005                            | 25.2              | 3.000            | 4.125              |
| 260,000                  | CGS264U016V5L          | 0.003                            | 29.8              | 2.000            | 5.625              |
| 290,000                  | CGS294U016V5L          | 0.005                            | 21.1              | 2.000            | 5.625              |
| 310,000                  | CGS314U016W4C          | 0.005                            | 22.7              | 2.500            | 4.125              |
| 470,000                  | CGS474U016W5L          | 0.004                            | 30.4              | 2.500            | 5.625              |
| 620,000                  | CGS624U016X5C          | 0.004                            | 32.3              | 3.000            | 5.125              |
| 640,000                  | CGS644U016X5L          | 0.002                            | 44.9              | 3.000            | 5.625              |
| 640,000                  | CGS644UFX5L3PD         | 0.002                            | 30.0              | 3.000            | 5.625              |
| 700,000                  | CGS704U016X5L          | 0.003                            | 35.0              | 3.000            | 5.625              |
| 740,000                  | CGS744U016X5R          | 0.003                            | 35.8              | 3.000            | 5.875              |
| 980,000                  | CGS984U016X8L          | 0.007                            | 23.8              | 3.000            | 8.625              |
| 20 WVdc ( 22 Vdc Surge ) |                        |                                  |                   |                  |                    |
| 250,000                  | CGS254U020X3L          | 0.006                            | 29.0              | 3.000            | 3.625              |
| 500,000                  | CGS504U020X5L          | 0.004                            | 37.0              | 3.000            | 5.625              |
| 1,000,000                | CGS105UGX8L6PD         | 0.003                            | 41.0              | 3.000            | 8.625              |
| 1,000,000                | CGS105UGX8L6PH         | 0.003                            | 41.0              | 3.000            | 8.625              |
| 1,000,000                | CGS105U020X5R          | 0.003                            | 40.0              | 3.000            | 5.875              |
| 1,500,000                | CGS155U020X8L          | 0.003                            | 41.0              | 3.000            | 8.625              |

# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

| Cap<br>(µF)              | Catalog<br>Part Number | Typical              |                                              | Dia.<br>(Inches) | Length<br>(Inches) |
|--------------------------|------------------------|----------------------|----------------------------------------------|------------------|--------------------|
|                          |                        | ESR<br>120 Hz<br>(Ω) | Max<br>Ripple<br>120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| 25 WVdc ( 30 Vdc Surge ) |                        |                      |                                              |                  |                    |
| 3,000                    | CGS302U025R2C          | 0.235                | 1.8                                          | 1.375            | 2.125              |
| 4,700                    | CGS472U025R2C          | 0.101                | 2.7                                          | 1.375            | 2.125              |
| 5,600                    | CGS562U025R3C          | 0.026                | 6.1                                          | 1.375            | 3.125              |
| 6,000                    | CGS602U025R2C          | 0.035                | 4.5                                          | 1.375            | 2.125              |
| 6,800                    | CGS682U025R2C          | 0.096                | 2.8                                          | 1.375            | 2.125              |
| 8,200                    | CGS822U025R4C          | 0.019                | 8.1                                          | 1.375            | 4.125              |
| 8,900                    | CGS892U025R3C          | 0.024                | 6.4                                          | 1.375            | 3.125              |
| 10,000                   | CGS103U025R3C          | 0.024                | 6.4                                          | 1.375            | 3.125              |
| 12,000                   | CGS123U025R3C          | 0.024                | 8.1                                          | 2.000            | 3.125              |
| 12,000                   | CGS123U025V3C          | 0.023                | 6.6                                          | 1.375            | 3.125              |
| 13,000                   | CGS133U025R4C          | 0.082                | 3.9                                          | 1.375            | 4.125              |
| 14,000                   | CGS143U025U3C          | 0.046                | 5.3                                          | 1.750            | 3.125              |
| 14,000                   | CGS143U025V2C          | 0.037                | 5.6                                          | 2.000            | 2.125              |
| 16,000                   | CGS163U025R4C          | 0.017                | 8.5                                          | 1.375            | 4.125              |
| 18,000                   | CGS183U025R4C          | 0.017                | 8.6                                          | 1.375            | 4.125              |
| 18,000                   | CGS183U025V4C          | 0.052                | 6.1                                          | 2.000            | 4.125              |
| 20,000                   | CGS203U025R3C          | 0.023                | 6.5                                          | 1.375            | 3.125              |
| 20,000                   | CGS203U025R5C          | 0.014                | 10.3                                         | 1.375            | 5.125              |
| 20,000                   | CGS203U025V3C          | 0.024                | 8.0                                          | 2.000            | 3.125              |
| 22,000                   | CGS223U025R2C          | 0.032                | 6.4                                          | 1.375            | 2.125              |
| 22,000                   | CGS223U025V2C          | 0.043                | 5.2                                          | 2.000            | 2.125              |
| 28,000                   | CGS283U025V3C          | 0.028                | 7.5                                          | 2.000            | 3.125              |
| 29,000                   | CGS293U025V4C          | 0.018                | 10.5                                         | 2.000            | 4.125              |
| 30,000                   | CGS303U025W3C          | 0.029                | 8.4                                          | 2.500            | 3.125              |
| 31,000                   | CGS313U025R2L          | 0.024                | 7.6                                          | 1.375            | 2.625              |
| 32,000                   | CGS323U025V4C          | 0.018                | 10.3                                         | 2.000            | 4.125              |
| 33,000                   | CGS333U025V3C          | 0.018                | 9.3                                          | 2.000            | 3.125              |
| 40,000                   | CGS403U025R3C          | 0.020                | 8.4                                          | 1.375            | 3.125              |
| 41,000                   | CGS413U025V4C          | 0.020                | 9.8                                          | 2.000            | 4.125              |
| 43,000                   | CGS433U025R4C          | 0.022                | 8.5                                          | 1.375            | 4.125              |
| 43,000                   | CGS433U025X4C          | 0.021                | 12.2                                         | 3.000            | 4.125              |
| 47,000                   | CGS473U025V4C          | 0.022                | 9.5                                          | 2.000            | 4.125              |
| 50,000                   | CGS503U025V5L          | 0.018                | 11.7                                         | 2.000            | 5.625              |
| 50,000                   | CGS503U025W3L          | 0.010                | 14.9                                         | 2.500            | 3.625              |
| 57,000                   | CGS573U025X5C          | 0.017                | 14.6                                         | 3.000            | 5.125              |
| 58,000                   | CGS583U025R4C          | 0.014                | 10.0                                         | 1.375            | 4.125              |
| 65,000                   | CGS653U025W4C          | 0.009                | 16.5                                         | 2.500            | 4.125              |
| 68,000                   | CGS683U025V4C          | 0.006                | 17.9                                         | 2.000            | 4.125              |
| 70,000                   | CGS703U025X4C          | 0.010                | 18.1                                         | 3.000            | 4.125              |
| 82,000                   | CGS823U025V3C          | 0.011                | 15.5                                         | 2.000            | 3.125              |
| 85,000                   | CGS853U025R5L          | 0.011                | 12.2                                         | 1.375            | 5.625              |
| 90,000                   | CGS903U025W5L          | 0.007                | 21.4                                         | 2.500            | 5.625              |
| 92,000                   | CGS923U025X5C          | 0.008                | 21.6                                         | 3.000            | 5.125              |
| 95,000                   | CGS953U025X4C          | 0.011                | 16.9                                         | 3.000            | 4.125              |
| 100,000                  | CGS104U025U4C          | 0.010                | 12.7                                         | 1.750            | 4.125              |
| 100,000                  | CGS104U025V5L          | 0.005                | 22.8                                         | 2.000            | 5.625              |
| 100,000                  | CGS104U025X3L          | 0.011                | 16.0                                         | 3.000            | 3.625              |
| 110,000                  | CGS114U025X5C          | 0.008                | 20.7                                         | 3.000            | 5.125              |
| 110,000                  | CGS114U025X5L          | 0.009                | 20.9                                         | 3.000            | 5.625              |
| 120,000                  | CGS124U025V4C          | 0.008                | 15.5                                         | 2.000            | 4.125              |
| 120,000                  | CGS124U025X4C          | 0.010                | 17.9                                         | 3.000            | 4.125              |
| 120,000                  | CGS124U050X5L          | 0.007                | 21.6                                         | 3.000            | 5.625              |
| 180,000                  | CGS184U025X4C          | 0.004                | 30.3                                         | 3.000            | 4.125              |
| 190,000                  | CGS194U025V5L          | 0.006                | 20.4                                         | 2.000            | 5.625              |
| 200,000                  | CGS204U025W4C          | 0.005                | 22.0                                         | 2.500            | 4.125              |
| 204,000                  | CGS2043U025X8L         | 0.006                | 29.9                                         | 3.000            | 8.625              |
| 270,000                  | CGS274U025X5L          | 0.003                | 36.6                                         | 3.000            | 5.625              |
| 270,000                  | CGS274UHX5L3PD         | 0.003                | 30.0                                         | 3.000            | 5.625              |
| 300,000                  | CGS304U025W5L          | 0.005                | 26.2                                         | 2.500            | 5.625              |
| 310,000                  | CGS314U025W5L          | 0.004                | 29.6                                         | 2.500            | 5.625              |
| 400,000                  | CGS404U025X5C          | 0.004                | 31.6                                         | 3.000            | 5.125              |
| 450,000                  | CGS454U025X5L          | 0.003                | 34.3                                         | 3.000            | 5.625              |
| 480,000                  | CGS484U025X5R          | 0.003                | 35.0                                         | 3.000            | 5.875              |
| 740,000                  | CGS744U025X8L          | 0.002                | 48.3                                         | 3.000            | 8.625              |

| Cap<br>(µF)              | Catalog<br>Part Number | Typical Max Ripple   |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|--------------------------|------------------------|----------------------|-----------------------------|------------------|--------------------|
|                          |                        | ESR<br>120 Hz<br>(Ω) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| 30 WVdc ( 40 Vdc Surge ) |                        |                      |                             |                  |                    |
| 4,500                    | CGS452U030R2C          | 0.037                | 4.4                         | 1.375            | 2.125              |
| 5,000                    | CGS502U030R2C          | 0.037                | 4.5                         | 1.375            | 2.125              |
| 8,000                    | CGS802U030R3C          | 0.024                | 6.4                         | 1.375            | 3.125              |
| 9,200                    | CGS922U030R3C          | 0.024                | 6.4                         | 1.375            | 3.125              |
| 12,000                   | CGS123U030R4C          | 0.018                | 8.4                         | 1.375            | 4.125              |
| 13,000                   | CGS133U030R4C          | 0.018                | 8.4                         | 1.375            | 4.125              |
| 15,000                   | CGS153U030R4L          | 0.016                | 9.3                         | 1.375            | 4.625              |
| 20,000                   | CGS203U030R5L          | 0.013                | 11.0                        | 1.375            | 5.625              |
| 30,000                   | CGS303U030V4C          | 0.019                | 10.0                        | 2.000            | 4.125              |
| 33,000                   | CGS333U030V4C          | 0.020                | 9.8                         | 2.000            | 4.125              |
| 44,000                   | CGS443U030W3C          | 0.015                | 11.7                        | 2.500            | 3.125              |
| 50,000                   | CGS503U030V5L          | 0.016                | 12.7                        | 2.000            | 5.625              |
| 55,000                   | CGS553U030W4C          | 0.009                | 16.3                        | 2.500            | 4.125              |
| 78,000                   | CGS783U030X4C          | 0.011                | 16.8                        | 3.000            | 4.125              |
| 100,000                  | CGS104U030X5L          | 0.008                | 22.4                        | 3.000            | 5.625              |
| 35 WVdc ( 45 Vdc Surge ) |                        |                      |                             |                  |                    |
| 4,400                    | CGS442U035R2C          | 0.145                | 2.2                         | 1.375            | 2.125              |
| 8,200                    | CGS822U035R3C          | 0.024                | 6.4                         | 1.375            | 3.125              |
| 10,000                   | CGS103U035V2C          | 0.038                | 5.5                         | 2.000            | 2.125              |
| 12,000                   | CGS123U035R4C          | 0.018                | 8.4                         | 1.375            | 4.125              |
| 21,000                   | CGS213U035R3C          | 0.023                | 6.4                         | 1.375            | 3.125              |
| 21,000                   | CGS213U035V3C          | 0.029                | 7.3                         | 2.000            | 3.125              |
| 30,000                   | CGS303U035W3C          | 0.028                | 8.6                         | 2.500            | 3.125              |
| 31,000                   | CGS313U035V4C          | 0.021                | 9.6                         | 2.000            | 4.125              |
| 60,000                   | CGS603U035X5C          | 0.010                | 19.7                        | 3.000            | 5.125              |
| 70,000                   | CGS703U035X4C          | 0.012                | 16.6                        | 3.000            | 4.125              |
| 40 WVdc ( 50 Vdc Surge ) |                        |                      |                             |                  |                    |
| 2,200                    | CGS222U040R2C          | 0.044                | 4.1                         | 1.375            | 2.125              |
| 2,700                    | CGS272U040R2C          | 0.042                | 4.2                         | 1.375            | 2.125              |
| 3,500                    | CGS352U040R2C          | 0.038                | 4.4                         | 1.375            | 2.125              |
| 4,200                    | CGS422U040R3C          | 0.028                | 6.0                         | 1.375            | 3.125              |
| 4,700                    | CGS472U040R2C          | 0.036                | 4.5                         | 1.375            | 2.125              |
| 5,100                    | CGS512U040R3C          | 0.026                | 6.1                         | 1.370            | 3.125              |
| 6,000                    | CGS602U040R3C          | 0.025                | 6.2                         | 1.375            | 3.125              |
| 6,200                    | CGS622U040R4C          | 0.020                | 7.9                         | 1.375            | 4.125              |
| 7,500                    | CGS752U040R4C          | 0.019                | 8.1                         | 1.375            | 4.125              |
| 9,000                    | CGS902U040R4C          | 0.019                | 8.2                         | 1.375            | 4.125              |
| 9,300                    | CGS932U040V3C          | 0.024                | 8.1                         | 2.000            | 3.125              |
| 11,000                   | CGS113U040V3C          | 0.024                | 8.0                         | 2.000            | 3.125              |
| 12,000                   | CGS123U040R4C          | 0.049                | 5.0                         | 1.375            | 4.125              |
| 12,000                   | CGS123U040V2C          | 0.067                | 4.2                         | 2.000            | 2.125              |
| 13,000                   | CGS133U040R2C          | 0.033                | 6.0                         | 1.375            | 2.125              |
| 13,000                   | CGS133U040V4C          | 0.017                | 10.5                        | 2.000            | 4.125              |
| 17,000                   | CGS173U040R3C          | 0.025                | 6.1                         | 1.375            | 3.125              |
| 17,000                   | CGS173U040V3C          | 0.029                | 7.4                         | 2.000            | 3.125              |
| 17,000                   | CGS173U040V4C          | 0.018                | 10.4                        | 2.000            | 4.125              |
| 18,000                   | CGS183U040R2L          | 0.025                | 7.1                         | 1.375            | 2.625              |
| 20,000                   | CGS203U040V5L          | 0.014                | 13.6                        | 2.000            | 5.625              |
| 22,000                   | CGS223U040V3C          | 0.031                | 7.1                         | 2.000            | 3.125              |
| 23,000                   | CGS233U040R3C          | 0.021                | 7.9                         | 1.375            | 3.125              |
| 23,000                   | CGS233U040V4C          | 0.020                | 9.9                         | 2.000            | 4.125              |
| 32,000                   | CGS323U040V4C          | 0.021                | 9.5                         | 2.000            | 4.125              |
| 33,000                   | CGS333U040V4C          | 0.021                | 9.7                         | 2.000            | 4.125              |
| 34,000                   | CGS343U040R4C          | 0.015                | 9.4                         | 1.375            | 4.125              |
| 35,000                   | CGS353U040V5L          | 0.015                | 12.8                        | 2.000            | 5.625              |
| 40,000                   | CGS403U040V3C          | 0.014                | 9.9                         | 2.000            | 3.125              |
| 40,000                   | CGS403U040W4C          | 0.010                | 16.3                        | 2.500            | 4.125              |
| 40,000                   | CGS403U040X4C          | 0.010                | 18.1                        | 3.000            | 4.125              |
| 43,000                   | CGS433U040X5C          | 0.020                | 13.8                        | 3.000            | 5.125              |
| 47,000                   | CGS473U040V3C          | 0.014                | 11.0                        | 2.000            | 3.125              |
| 47,000                   | CGS473U040W4C          | 0.010                | 15.8                        | 2.500            | 4.125              |

# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

| Cap<br>(µF)              | Catalog<br>Part Number | Typical Max Ripple   |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|--------------------------|------------------------|----------------------|-----------------------------|------------------|--------------------|
|                          |                        | ESR<br>120 Hz<br>(Ω) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| 40 WVdc ( 50 Vdc Surge ) |                        |                      |                             |                  |                    |
| 49,000                   | CGS493U040R5L          | 0.013                | 11.0                        | 1.375            | 5.625              |
| 53,000                   | CGS533U040X5C          | 0.008                | 21.5                        | 3.000            | 5.125              |
| 55,000                   | CGS553U040W5L          | 0.011                | 16.9                        | 2.500            | 5.625              |
| 61,000                   | CGS613U040U4C          | 0.011                | 11.4                        | 1.750            | 4.125              |
| 68,000                   | CGS683U040X4C          | 0.012                | 16.0                        | 3.000            | 4.125              |
| 71,000                   | CGS713U040V4C          | 0.010                | 14.0                        | 2.000            | 4.125              |
| 78,000                   | CGS783U040X6L          | 0.009                | 22.7                        | 3.000            | 6.625              |
| 110,000                  | CGS114U040V5L          | 0.007                | 18.6                        | 2.000            | 5.625              |
| 120,000                  | CGS124U040W4C          | 0.006                | 20.0                        | 2.500            | 4.125              |
| 150,000                  | CGS154U040X5L          | 0.003                | 36.6                        | 3.000            | 5.625              |
| 150,000                  | CGS154ULX5L3PD         | 0.003                | 30.0                        | 3.000            | 5.625              |
| 180,000                  | CGS184U040W5L          | 0.005                | 27.0                        | 2.500            | 5.625              |
| 230,000                  | CGS234U040X5C          | 0.004                | 29.5                        | 3.000            | 5.125              |
| 260,000                  | CGS264U040X5L          | 0.004                | 32.1                        | 3.000            | 5.625              |
| 280,000                  | CGS284U040X5R          | 0.004                | 32.7                        | 3.000            | 5.875              |
| 430,000                  | CGS434U040X8L          | 0.003                | 45.6                        | 3.000            | 8.625              |
| 50 WVdc ( 65 Vdc Surge ) |                        |                      |                             |                  |                    |
| 1,600                    | CGS162U050R2C          | 0.048                | 3.9                         | 1.375            | 2.125              |
| 2,200                    | CGS222U050R2C          | 0.044                | 4.1                         | 1.375            | 2.125              |
| 2,900                    | CGS292U050R3C          | 0.03                 | 5.7                         | 1.375            | 3.125              |
| 3,000                    | CGS302U050R2C          | 0.04                 | 4.3                         | 1.375            | 2.125              |
| 3,300                    | CGS332U050R2C          | 0.182                | 2.0                         | 1.375            | 2.125              |
| 4,100                    | CGS412U050R3C          | 0.022                | 7.6                         | 1.375            | 3.125              |
| 4,300                    | CGS432U050R4C          | 0.022                | 7.6                         | 1.375            | 4.125              |
| 4,900                    | CGS492U050R3L          | 0.023                | 7.0                         | 1.375            | 3.625              |
| 5,000                    | CGS502U050R3C          | 0.026                | 6.1                         | 1.375            | 3.125              |
| 5,700                    | CGS572U050R3C          | 0.096                | 3.2                         | 1.375            | 3.125              |
| 6,100                    | CGS612U050R4C          | 0.02                 | 7.9                         | 1.375            | 4.125              |
| 6,500                    | CGS652U050V3C          | 0.025                | 7.9                         | 2.000            | 3.125              |
| 6,700                    | CGS672U050R3L          | 0.022                | 7.2                         | 1.375            | 3.625              |
| 6,800                    | CGS682U050R3C          | 0.024                | 6.4                         | 1.375            | 3.125              |
| 7,500                    | CGS752U050R4C          | 0.019                | 8.1                         | 1.375            | 4.125              |
| 8,000                    | CGS802U050V2C          | 0.043                | 5.2                         | 2.000            | 2.125              |
| 9,600                    | CGS962U050R2C          | 0.036                | 5.6                         | 1.375            | 2.125              |
| 9,600                    | CGS962U050V4C          | 0.018                | 10.3                        | 2.000            | 4.125              |
| 10,000                   | CGS103U050R4C          | 0.017                | 8.5                         | 1.375            | 4.125              |
| 10,000                   | CGS103U050V2C          | 0.049                | 4.9                         | 2.000            | 2.125              |
| 12,000                   | CGS123U050R5L          | 0.014                | 10.7                        | 1.375            | 5.625              |
| 13,000                   | CGS133U050R2L          | 0.027                | 6.7                         | 1.375            | 2.625              |
| 13,000                   | CGS133U050R3C          | 0.031                | 6.2                         | 1.375            | 3.125              |
| 13,000                   | CGS133U050V3C          | 0.029                | 7.3                         | 2.000            | 3.125              |
| 14,000                   | CGS143U050V5L          | 0.031                | 7.1                         | 2.000            | 5.625              |
| 14,500                   | CGS1452U050V3C         | 0.022                | 7.3                         | 2.000            | 3.125              |
| 15,000                   | CGS153U050V4C          | 0.019                | 10.0                        | 2.000            | 4.125              |
| 17,000                   | CGS173U050R3C          | 0.022                | 7.5                         | 1.375            | 3.125              |
| 18,000                   | CGS183U050V3C          | 0.034                | 6.8                         | 2.000            | 3.125              |
| 20,000                   | CGS203U050R4C          | 0.019                | 8.2                         | 1.375            | 4.125              |
| 20,000                   | CGS203U050V4C          | 0.021                | 9.5                         | 2.000            | 4.125              |
| 20,000                   | CGS203U050V5L          | 0.014                | 13.2                        | 2.000            | 5.625              |
| 24,000                   | CGS243U050W3C          | 0.014                | 12.1                        | 2.500            | 3.125              |
| 25,000                   | CGS253U050R4C          | 0.016                | 8.9                         | 1.375            | 4.125              |
| 25,000                   | CGS253U050U4C          | 0.021                | 9.8                         | 1.750            | 4.125              |
| 25,000                   | CGS253U050W4C          | 0.024                | 10.2                        | 2.500            | 4.125              |
| 27,000                   | CGS273U050V4C          | 0.022                | 9.3                         | 2.000            | 4.125              |
| 28,000                   | CGS283U050V5C          | 0.018                | 11.4                        | 2.000            | 5.125              |
| 30,000                   | CGS303U050V5L          | 0.016                | 12.4                        | 2.000            | 5.625              |
| 31,000                   | CGS313U050W4C          | 0.028                | 9.6                         | 2.500            | 4.125              |
| 33,000                   | CGS333U050W4C          | 0.025                | 10.0                        | 2.500            | 4.125              |
| 35,000                   | CGS353U050V3C          | 0.016                | 10.5                        | 2.000            | 3.125              |
| 37,000                   | CGS373U050R5L          | 0.012                | 11.8                        | 1.375            | 5.625              |
| 41,000                   | CGS413U050X4L          | 0.009                | 19.2                        | 3.000            | 4.625              |
| 43,000                   | CGS433U050X5C          | 0.023                | 12.7                        | 3.000            | 5.125              |
| 45,000                   | CGS453U050U4C          | 0.012                | 11.0                        | 1.750            | 4.125              |

| Cap<br>(µF)              | Catalog<br>Part Number | Typical Max Ripple   |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|--------------------------|------------------------|----------------------|-----------------------------|------------------|--------------------|
|                          |                        | ESR<br>120 Hz<br>(Ω) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| 50 WVdc (65 Vdc Surge )  |                        |                      |                             |                  |                    |
| 48,000                   | CGS483U050X4C          | 0.012                | 16.2                        | 3.0              | 4.125              |
| 50,000                   | CGS503U050W5L          | 0.008                | 20.4                        | 2.5              | 5.625              |
| 51,000                   | CGS513U050X5R          | 0.010                | 18.4                        | 3.0              | 5.875              |
| 53,000                   | CGS533U050V4C          | 0.011                | 13.3                        | 2.0              | 4.125              |
| 56,000                   | CGS563U050X3L          | 0.005                | 23.1                        | 3.0              | 3.625              |
| 60,000                   | CGS603U050X5C          | 0.010                | 19.8                        | 3.0              | 5.125              |
| 68,000                   | CGS683U050X4C          | 0.017                | 15.0                        | 3.0              | 4.125              |
| 70,000                   | CGS703U050X5L          | 0.016                | 15.7                        | 3.0              | 5.625              |
| 79,000                   | CGS793U050V5L          | 0.008                | 17.7                        | 2.0              | 5.625              |
| 82,000                   | CGS823U050X4C          | 0.004                | 29.2                        | 3.0              | 4.125              |
| 87,000                   | CGS873U050W4C          | 0.007                | 19.1                        | 2.5              | 4.125              |
| 100,000                  | CGS104U050X8L          | 0.007                | 29.3                        | 3.0              | 8.625              |
| 120,000                  | CGS124U050X5L          | 0.003                | 36.6                        | 3.0              | 5.625              |
| 120,000                  | CGS124UNX5L3PD         | 0.003                | 30.0                        | 3.0              | 5.625              |
| 130,000                  | CGS134U050W5L          | 0.005                | 25.8                        | 2.5              | 5.625              |
| 190,000                  | CGS194U050X5L          | 0.004                | 31.0                        | 3.0              | 5.625              |
| 210,000                  | CGS214U050X5R          | 0.004                | 31.6                        | 3.0              | 5.875              |
| 320,000                  | CGS324U050X8L          | 0.006                | 30.7                        | 3.0              | 8.625              |
| 63 WVdc ( 75 Vdc Surge ) |                        |                      |                             |                  |                    |
| 6,100                    | CGS612U063R2C          | 0.043                | 5.0                         | 1.375            | 2.125              |
| 8,900                    | CGS892U063R2L          | 0.032                | 6.0                         | 1.375            | 2.625              |
| 12,000                   | CGS123U063R3C          | 0.027                | 6.7                         | 1.375            | 3.125              |
| 14,000                   | CGS143U063R4C          | 0.019                | 8.1                         | 1.375            | 4.125              |
| 19,000                   | CGS193U063V3C          | 0.021                | 9.2                         | 2.000            | 3.125              |
| 20,000                   | CGS203U063R5L          | 0.015                | 9.3                         | 1.375            | 5.625              |
| 28,000                   | CGS283U063U4C          | 0.014                | 10.3                        | 1.750            | 4.125              |
| 36,000                   | CGS363U063V4C          | 0.014                | 11.5                        | 2.000            | 4.125              |
| 55,000                   | CGS553U063V5L          | 0.010                | 14.6                        | 2.000            | 5.625              |
| 60,000                   | CGS603U063W4C          | 0.010                | 15.6                        | 2.500            | 4.125              |
| 89,000                   | CGS893U063W5L          | 0.010                | 18.0                        | 2.500            | 5.625              |
| 91,000                   | CGS913U063W5L          | 0.007                | 20.0                        | 2.500            | 5.625              |
| 120,000                  | CGS124U063X5C          | 0.007                | 21.3                        | 3.000            | 5.125              |
| 140,000                  | CGS144U063X5L          | 0.007                | 23.2                        | 3.000            | 5.625              |
| 150,000                  | CGS154U063X5R          | 0.007                | 23.7                        | 3.000            | 5.875              |
| 210,000                  | CGS214U063X8L          | 0.012                | 21.3                        | 3.000            | 8.625              |
| 75 WVdc ( 95 Vdc Surge ) |                        |                      |                             |                  |                    |
| 820                      | CGS821U075R2C          | 0.591                | 1.1                         | 1.375            | 2.125              |
| 1,500                    | CGS152U075R3C          | 0.041                | 4.9                         | 1.375            | 3.125              |
| 2,100                    | CGS212U075R3C          | 0.036                | 5.3                         | 1.375            | 3.125              |
| 2,200                    | CGS222U075R2C          | 0.041                | 4.2                         | 1.375            | 2.125              |
| 2,300                    | CGS232U075R4C          | 0.028                | 6.6                         | 1.375            | 4.125              |
| 2,500                    | CGS252U075R4C          | 0.096                | 3.2                         | 1.375            | 4.125              |
| 2,900                    | CGS292U075R3C          | 0.032                | 5.6                         | 1.375            | 3.125              |
| 3,300                    | CGS332U075R3C          | 0.120                | 2.9                         | 1.375            | 3.125              |
| 4,200                    | CGS422U075R4C          | 0.023                | 7.4                         | 1.375            | 4.125              |
| 4,800                    | CGS482U075R3C          | 0.031                | 6.7                         | 1.375            | 3.125              |
| 4,800                    | CGS482U075V3C          | 0.030                | 7.2                         | 2.000            | 3.125              |
| 5,000                    | CGS502U075R2C          | 0.058                | 4.4                         | 1.375            | 2.125              |
| 5,600                    | CGS562U075R4C          | 0.021                | 7.8                         | 1.375            | 4.125              |
| 6,300                    | CGS632U075R5L          | 0.017                | 9.8                         | 1.375            | 5.625              |
| 7,000                    | CGS702U075R2L          | 0.044                | 5.3                         | 1.375            | 2.625              |
| 7,100                    | CGS712U075V4C          | 0.022                | 9.5                         | 2.000            | 4.125              |
| 7,300                    | CGS732U075V3C          | 0.078                | 4.5                         | 2.000            | 3.125              |
| 7,500                    | CGS752U075V5L          | 0.017                | 12.3                        | 2.000            | 5.625              |
| 9,000                    | CGS902U075R3C          | 0.036                | 5.9                         | 1.375            | 3.125              |
| 10,000                   | CGS103U075R3C          | 0.029                | 5.8                         | 1.375            | 3.125              |
| 10,000                   | CGS103U075V3C          | 0.041                | 6.2                         | 2.000            | 3.125              |
| 10,000                   | CGS103U075V4C          | 0.024                | 9.0                         | 2.000            | 4.125              |
| 12,000                   | CGS123U075R4C          | 0.021                | 7.6                         | 1.375            | 4.125              |
| 12,000                   | CGS123U075V4C          | 0.026                | 8.7                         | 2.000            | 4.125              |
| 13,000                   | CGS133U075R4C          | 0.026                | 7.2                         | 1.375            | 4.125              |

# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

| Cap<br>Cap<br>(µF)        | Catalog<br>Part Number | Typical Max Ripple   |                             |                  |                    |
|---------------------------|------------------------|----------------------|-----------------------------|------------------|--------------------|
|                           |                        | ESR<br>120 Hz<br>(Ω) | 120 Hz<br>+85 °C<br>(A) RMS | Dia.<br>(Inches) | Length<br>(Inches) |
| 75 WVdc (95 Vdc Surge )   |                        |                      |                             |                  |                    |
| 15,000                    | CGS153U075V5L          | 0.018                | 11.9                        | 2.000            | 5.625              |
| 17,000                    | CGS173U075W4C          | 0.033                | 8.8                         | 2.500            | 4.125              |
| 17,000                    | CGS173U075X4C          | 0.033                | 9.8                         | 3.000            | 4.125              |
| 18,000                    | CGS183U075V3C          | 0.023                | 8.9                         | 2.000            | 3.125              |
| 18,000                    | CGS183U075V4C          | 0.009                | 14.5                        | 2.000            | 4.125              |
| 19,000                    | CGS193U075R5L          | 0.019                | 7.8                         | 1.375            | 5.625              |
| 23,000                    | CGS233U075U4C          | 0.017                | 9.8                         | 1.750            | 4.125              |
| 25,000                    | CGS253U075X4C          | 0.039                | 9.0                         | 3.000            | 4.125              |
| 25,000                    | CGS253U075W5L          | 0.024                | 11.7                        | 2.500            | 5.625              |
| 25,000                    | CGS253U075X4C          | 0.014                | 15.0                        | 3.000            | 4.125              |
| 26,000                    | CGS263U075V4C          | 0.028                | 10.3                        | 2.000            | 4.125              |
| 26,000                    | CGS263U075X5R          | 0.037                | 10.6                        | 3.000            | 5.875              |
| 27,000                    | CGS273U075V4C          | 0.016                | 11.0                        | 2.000            | 4.125              |
| 27,000                    | CGS273U075X3L          | 0.019                | 12.5                        | 3.000            | 3.625              |
| 33,000                    | CGS333U075X4C          | 0.019                | 12.7                        | 3.000            | 4.125              |
| 37,000                    | CGS373U075V5L          | 0.011                | 16.4                        | 2.000            | 5.625              |
| 37,000                    | CGS373U075X5L          | 0.010                | 19.7                        | 3.000            | 5.625              |
| 41,000                    | CGS413U075V5L          | 0.011                | 14.6                        | 2.000            | 5.625              |
| 45,000                    | CGS453U075W4C          | 0.012                | 14.7                        | 2.500            | 4.125              |
| 55,000                    | CGS553U075X8L          | 0.008                | 27.4                        | 3.000            | 8.625              |
| 68,000                    | CGS683U075W5L          | 0.008                | 20.0                        | 2.500            | 5.625              |
| 68,000                    | CGS683U075X5L          | 0.005                | 30.0                        | 3.000            | 5.625              |
| 90,000                    | CGS903U075X5C          | 0.008                | 21.3                        | 3.000            | 5.125              |
| 100,000                   | CGS104U075X5L          | 0.007                | 23.2                        | 3.000            | 5.625              |
| 110,000                   | CGS114U075X5R          | 0.007                | 23.7                        | 3.000            | 5.875              |
| 140,000                   | CGS144U075X8L          | 0.012                | 21.3                        | 3.000            | 8.625              |
| 100 WVdc (125 Vdc Surge ) |                        |                      |                             |                  |                    |
| 850                       | CGS851U100R2C          | 0.120                | 2.5                         | 1.375            | 2.125              |
| 1,200                     | CGS122U100R3C          | 0.062                | 3.5                         | 1.375            | 3.125              |
| 1,700                     | CGS172U100R3C          | 0.069                | 3.8                         | 1.375            | 3.125              |
| 2,400                     | CGS242U100R4C          | 0.050                | 5.0                         | 1.375            | 4.125              |
| 3,100                     | CGS312U100R2C          | 0.068                | 4.0                         | 1.375            | 2.125              |
| 3,100                     | CGS312U100R5C          | 0.036                | 6.4                         | 1.375            | 5.125              |
| 4,000                     | CGS402U100R4C          | 0.031                | 6.2                         | 1.375            | 4.125              |
| 4,000                     | CGS402U100V4C          | 0.036                | 7.3                         | 2.000            | 4.125              |
| 4,500                     | CGS452U100R2L          | 0.051                | 4.8                         | 1.375            | 2.625              |
| 5,900                     | CGS592U100R3C          | 0.042                | 5.4                         | 1.375            | 3.125              |
| 6,000                     | CGS602U100V4C          | 0.033                | 7.6                         | 2.000            | 4.125              |
| 8,600                     | CGS862U100R4C          | 0.029                | 6.5                         | 1.375            | 4.125              |
| 9,000                     | CGS902U100V5L          | 0.024                | 10.2                        | 2.000            | 5.625              |
| 10,000                    | CGS103U100W4C          | 0.040                | 8.0                         | 2.500            | 4.125              |
| 12,000                    | CGS123U100V3C          | 0.026                | 7.7                         | 2.000            | 3.125              |
| 13,000                    | CGS133U100R5L          | 0.024                | 7.2                         | 1.375            | 5.625              |
| 15,000                    | CGS153U100V4C          | 0.036                | 7.3                         | 2.000            | 4.125              |
| 15,000                    | CGS153U100W5L          | 0.043                | 8.6                         | 2.500            | 5.625              |
| 15,000                    | CGS153U100X4C          | 0.051                | 7.9                         | 3.000            | 4.125              |
| 16,000                    | CGS163U100U4C          | 0.019                | 8.9                         | 1.750            | 4.125              |
| 18,000                    | CGS183U100V4C          | 0.018                | 10.5                        | 2.000            | 4.125              |
| 28,000                    | CGS283U100V5L          | 0.012                | 14.0                        | 2.000            | 4.625              |
| 30,000                    | CGS303U100W4C          | 0.011                | 15.2                        | 2.500            | 4.125              |
| 33,000                    | CGS333U100X8L          | 0.009                | 25.0                        | 3.000            | 8.625              |
| 39,000                    | CGS393U100X5R          | 0.011                | 15.8                        | 3.000            | 5.875              |
| 45,000                    | CGS453U100W5L          | 0.010                | 18.1                        | 3.000            | 4.125              |
| 46,000                    | CGS463U100W5L          | 0.008                | 20.1                        | 2.500            | 5.625              |
| 60,000                    | CGS603U100X5C          | 0.009                | 20.6                        | 3.000            | 5.125              |
| 68,000                    | CGS683U100X5L          | 0.008                | 22.5                        | 3.000            | 5.625              |
| 74,000                    | CGS743U100X5R          | 0.007                | 23.3                        | 3.000            | 5.875              |
| 96,000                    | CGS963U100X8L          | 0.013                | 20.9                        | 3.000            | 8.625              |
| 150 WVdc (175 Vdc Surge ) |                        |                      |                             |                  |                    |
| 400                       | CGS401U150R2C          | 0.137                | 2.3                         | 1.375            | 2.125              |
| 720                       | CGS721U150R3C          | 0.063                | 3.5                         | 1.375            | 3.125              |

| Cap<br>(µF)               | Catalog<br>Part Number | Typical Max Ripple   |                             |                  |                    |
|---------------------------|------------------------|----------------------|-----------------------------|------------------|--------------------|
|                           |                        | ESR<br>120 Hz<br>(Ω) | 120 Hz<br>+85 °C<br>(A) RMS | Dia.<br>(Inches) | Length<br>(Inches) |
| 150 WVdc (175 Vdc Surge ) |                        |                      |                             |                  |                    |
| 950                       | CGS951U150R3C          | 0.087                | 3.4                         | 1.375            | 3.125              |
| 1,100                     | CGS112U150R2C          | 0.102                | 3.2                         | 1.375            | 2.125              |
| 1,100                     | CGS112U150R4C          | 0.064                | 4.4                         | 1.375            | 4.125              |
| 1,600                     | CGS162U150R2L          | 0.071                | 3.8                         | 1.375            | 2.625              |
| 2,100                     | CGS212U150R3C          | 0.074                | 4.3                         | 1.375            | 3.125              |
| 2,400                     | CGS242U150V3C          | 0.117                | 3.7                         | 2.000            | 3.125              |
| 3,100                     | CGS312U150R4C          | 0.038                | 5.8                         | 1.375            | 4.125              |
| 3,300                     | CGS332U150V5C          | 0.032                | 8.4                         | 2.000            | 5.125              |
| 3,500                     | CGS352U150V5L          | 0.031                | 11.4                        | 2.000            | 5.625              |
| 4,400                     | CGS442U150V3C          | 0.032                | 7.0                         | 2.000            | 3.125              |
| 4,700                     | CGS472U150R5L          | 0.026                | 7.9                         | 1.375            | 5.625              |
| 4,800                     | CGS482U150W4L          | 0.030                | 9.5                         | 2.500            | 4.625              |
| 5,300                     | CGS532U150U4C          | 0.023                | 8.3                         | 1.750            | 4.125              |
| 5,700                     | CGS572U150X4C          | 0.037                | 9.3                         | 3.000            | 4.125              |
| 6,200                     | CGS622U150W5L          | 0.025                | 11.4                        | 2.500            | 5.625              |
| 6,700                     | CGS672U150U4C          | 0.022                | 9.4                         | 2.000            | 4.125              |
| 7,700                     | CGS772U150X5C          | 0.029                | 11.3                        | 3.000            | 5.125              |
| 8,700                     | CGS872U150X5R          | 0.027                | 12.5                        | 3.000            | 5.875              |
| 10,000                    | CGS103U150V5L          | 0.015                | 12.7                        | 2.000            | 5.625              |
| 10,000                    | CGS103U150X5C          | 0.034                | 10.4                        | 3.000            | 5.125              |
| 11,000                    | CGS113U150W4C          | 0.017                | 12.1                        | 2.500            | 4.125              |
| 12,000                    | CGS123U150V5L          | 0.014                | 16.5                        | 2.000            | 5.625              |
| 12,000                    | CGS123U150X5L          | 0.013                | 17.8                        | 3.000            | 5.625              |
| 17,000                    | CGS173U150W5L          | 0.020                | 12.7                        | 2.500            | 5.625              |
| 22,000                    | CGS223U150X5C          | 0.015                | 15.6                        | 3.000            | 5.125              |
| 25,000                    | CGS253U150X5L          | 0.012                | 18.4                        | 3.000            | 5.625              |
| 26,000                    | CGS263U150X5R          | 0.011                | 19.1                        | 3.000            | 5.875              |
| 43,000                    | CGS433U150X8L          | 0.014                | 19.9                        | 3.000            | 8.625              |
| 200 WVdc (250 Vdc Surge ) |                        |                      |                             |                  |                    |
| 590                       | CGS591T200R3C          | 0.151                | 2.6                         | 1.375            | 3.125              |
| 800                       | CGS801T200R2C          | 0.102                | 2.7                         | 1.375            | 2.125              |
| 1,000                     | CGS102T200R4C          | 0.113                | 3.2                         | 1.375            | 4.125              |
| 1,000                     | CGS102T200V2C          | 0.097                | 3.6                         | 2.000            | 2.125              |
| 1,200                     | CGS122T200R2L          | 0.071                | 3.5                         | 1.375            | 2.625              |
| 1,400                     | CGS142T200V3C          | 0.081                | 4.4                         | 2.000            | 3.125              |
| 1,500                     | CGS152T200R3C          | 0.054                | 4.3                         | 1.375            | 3.125              |
| 1,600                     | CGS162T200V3C          | 0.074                | 4.6                         | 2.000            | 3.125              |
| 2,000                     | CGS202T200V4C          | 0.057                | 5.8                         | 2.000            | 4.12               |
| 2,200                     | CGS222T200R4C          | 0.038                | 5.8                         | 1.375            | 4.125              |
| 2,200                     | CGS222T200V4C          | 0.054                | 6.0                         | 2.000            | 4.125              |
| 2,700                     | CGS272T200V4C          | 0.048                | 6.4                         | 2.000            | 4.125              |
| 3,100                     | CGS312T200V3C          | 0.032                | 7.0                         | 2.000            | 3.125              |
| 3,300                     | CGS332T200R5L          | 0.026                | 7.9                         | 1.375            | 5.625              |
| 3,300                     | CGS332T200W4C          | 0.060                | 6.5                         | 2.500            | 4.125              |
| 3,400                     | CGS342T200W4C          | 0.076                | 5.8                         | 2.500            | 4.125              |
| 3,600                     | CGS362T200V4C          | 0.042                | 6.7                         | 2.000            | 4.125              |
| 4,000                     | CGS402T200U4C          | 0.023                | 8.3                         | 1.750            | 4.125              |
| 4,000                     | CGS402T200V3C          | 0.062                | 5.0                         | 2.000            | 3.125              |
| 4,000                     | CGS402T200W4C          | 0.055                | 6.8                         | 2.500            | 4.125              |
| 4,600                     | CGS462T200X4C          | 0.047                | 8.2                         | 3.000            | 4.125              |
| 4,700                     | CGS472T200V4C          | 0.021                | 9.4                         | 2.000            | 5.625              |
| 4,800                     | CGS482T200V4C          | 0.042                | 6.8                         | 2.000            | 4.125              |
| 5,000                     | CGS502T200W5C          | 0.036                | 9.2                         | 2.500            | 5.125              |
| 5,200                     | CGS522T200V5L          | 0.021                | 11.0                        | 2.000            | 5.625              |
| 5,400                     | CGS542T200X4L          | 0.021                | 12.6                        | 3.000            | 4.625              |
| 5,500                     | CGS552T200X4C          | 0.027                | 10.9                        | 3.000            | 4.125              |
| 6,200                     | CGS622T200X4C          | 0.039                | 9.0                         | 3.000            | 4.125              |
| 7,200                     | CGS722T200V5L          | 0.019                | 11.5                        | 2.000            | 5.625              |
| 7,400                     | CGS742T200X5L          | 0.018                | 15.0                        | 3.000            | 5.625              |
| 7,700                     | CGS772T200X5L          | 0.018                | 15.0                        | 3.000            | 5.625              |
| 7,800                     | CGS782T200W4C          | 0.017                | 12.1                        | 2.500            | 4.125              |
| 9,400                     | CGS942T200X4C          | 0.021                | 12.1                        | 3.000            | 4.125              |
| 12,000                    | CGS123T200W5L          | 0.013                | 16.0                        | 2.500            | 5.625              |

# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

| Cap<br>(µF)               | Catalog<br>Part Number | Typical Max Ripple   |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|---------------------------|------------------------|----------------------|-----------------------------|------------------|--------------------|
|                           |                        | ESR<br>120 Hz<br>(Ω) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| 200 WVdc (250 Vdc Surge ) |                        |                      |                             |                  |                    |
| 14,000                    | CGS143T200X5L          | 0.015                | 16.1                        | 3                | 5.625              |
| 16,000                    | CGS163T200X5C          | 0.015                | 15.6                        | 3                | 5.125              |
| 18,000                    | CGS183T200X5L          | 0.012                | 18.4                        | 3                | 5.625              |
| 18,000                    | CGS183T200X5L          | 0.016                | 15.9                        | 3                | 5.625              |
| 19,000                    | CGS193T200X5R          | 0.011                | 19.1                        | 3                | 5.875              |
| 25,000                    | CGS253T200X8L          | 0.015                | 19.9                        | 3                | 8.625              |
| 30,000                    | CGS303T200X8L          | 0.011                | 22.7                        | 3                | 8.625              |
| 250 WVdc (300 Vdc Surge ) |                        |                      |                             |                  |                    |
| 200                       | CGS201T250R2C          | 0.241                | 1.7                         | 1.375            | 2.125              |
| 250                       | CGS251T250R2C          | 0.278                | 1.6                         | 1.375            | 2.125              |
| 470                       | CGS471T250R3C          | 0.439                | 1.5                         | 1.375            | 3.125              |
| 550                       | CGS551T250R4C          | 0.098                | 3.6                         | 1.375            | 4.125              |
| 620                       | CGS621T250R2C          | 0.137                | 2.3                         | 1.375            | 2.125              |
| 720                       | CGS721T250R4C          | 0.110                | 3.4                         | 1.375            | 4.125              |
| 900                       | CGS901T250R2L          | 0.095                | 3.0                         | 1.375            | 2.625              |
| 1,000                     | CGS102T250R5L          | 0.078                | 4.6                         | 1.375            | 5.625              |
| 1,200                     | CGS122T250R3C          | 0.073                | 3.7                         | 1.375            | 3.125              |
| 1,200                     | CGS122T250V3C          | 0.080                | 4.4                         | 2.000            | 3.125              |
| 1,700                     | CGS172T250R4C          | 0.050                | 5.0                         | 1.375            | 4.125              |
| 1,700                     | CGS172T250V2L          | 0.070                | 4.4                         | 2.000            | 2.625              |
| 1,700                     | CGS172T250V4C          | 0.057                | 5.8                         | 2.000            | 4.125              |
| 1,900                     | CGS192T250V5L          | 0.105                | 4.9                         | 2.000            | 5.625              |
| 1,900                     | CGS192T250W4C          | 0.078                | 6.6                         | 2.500            | 4.125              |
| 2,500                     | CGS252T250V5L          | 0.041                | 7.8                         | 2.000            | 5.625              |
| 2,600                     | CGS262T250R5L          | 0.035                | 6.9                         | 1.375            | 5.625              |
| 2,800                     | CGS282T250V4C          | 0.046                | 6.5                         | 2.000            | 4.125              |
| 2,900                     | CGS292T250V3L          | 0.041                | 6.5                         | 2.000            | 3.625              |
| 2,900                     | CGS292T250W4L          | 0.043                | 8.0                         | 2.500            | 4.625              |
| 2,900                     | CGS292T250X4C          | 0.050                | 8.0                         | 3.000            | 4.125              |
| 3,100                     | CGS312T250U4C          | 0.030                | 7.3                         | 1.750            | 4.125              |
| 3,700                     | CGS372T250V4C          | 0.027                | 8.4                         | 2.000            | 4.125              |
| 4,100                     | CGS412T250V4L          | 0.029                | 8.5                         | 2.000            | 4.625              |
| 4,100                     | CGS412T250V5L          | 0.021                | 10.7                        | 2.000            | 5.625              |
| 4,200                     | CGS422T250W5L          | 0.023                | 11.9                        | 2.500            | 5.625              |
| 5,600                     | CGS562T250V5L          | 0.019                | 11.3                        | 2.000            | 5.625              |
| 6,000                     | CGS602T250V5L          | 0.022                | 10.1                        | 2.000            | 5.625              |
| 6,000                     | CGS602T250W4C          | 0.022                | 10.6                        | 2.500            | 4.125              |
| 6,000                     | CGS602T250X5L          | 0.047                | 9.2                         | 3.000            | 5.625              |
| 7,200                     | CGS722T250X4C          | 0.023                | 11.7                        | 3.000            | 4.125              |
| 7,400                     | CGS742T250X3L          | 0.026                | 10.5                        | 3.000            | 3.625              |
| 9,000                     | CGS902T250W5L          | 0.016                | 10.4                        | 2.500            | 5.625              |
| 9,200                     | CGS922T250W5L          | 0.015                | 14.6                        | 2.500            | 5.625              |
| 10,000                    | CGS103T250X4L          | 0.020                | 13.0                        | 3.000            | 4.625              |
| 10,000                    | CGS103T250X5L          | 0.016                | 15.6                        | 3.000            | 5.625              |
| 12,000                    | CGS123T250X5C          | 0.017                | 14.6                        | 3.000            | 5.125              |
| 13,000                    | CGS133T250X5L          | 0.017                | 14.0                        | 3.000            | 5.625              |
| 14,000                    | CGS143T250X5L          | 0.013                | 17.3                        | 3.000            | 5.625              |
| 15,000                    | CGS153T250X5R          | 0.013                | 17.9                        | 3.000            | 5.875              |
| 19,000                    | CGS193T250X8L          | 0.016                | 18.8                        | 3.000            | 8.625              |
| 22,000                    | CGS223T250X8L          | 0.010                | 23.8                        | 3.000            | 8.625              |
| 300 WVdc (350 Vdc Surge ) |                        |                      |                             |                  |                    |
| 430                       | CGS431T300R2C          | 0.228                | 1.8                         | 1.375            | 2.125              |
| 620                       | CGS621T300R2L          | 0.158                | 2.3                         | 1.375            | 2.625              |
| 810                       | CGS811T300R3C          | 0.122                | 2.9                         | 1.375            | 3.125              |
| 1,200                     | CGS122T300R4C          | 0.083                | 3.9                         | 1.375            | 4.125              |
| 1,500                     | CGS152T300W4C          | 0.107                | 4.9                         | 2.500            | 4.125              |
| 1,600                     | CGS162T300V3C          | 0.067                | 4.8                         | 2.000            | 3.125              |
| 1,800                     | CGS182T300R5L          | 0.057                | 5.4                         | 1.375            | 5.625              |
| 2,000                     | CGS202T300U4C          | 0.053                | 5.5                         | 1.750            | 4.125              |
| 2,500                     | CGS252T300V4C          | 0.044                | 6.6                         | 2.000            | 4.125              |
| 3,500                     | CGS352T300X5L          | 0.066                | 7.8                         | 3.000            | 5.625              |

|                            |               | Typical Max Ripple |         |          |          |
|----------------------------|---------------|--------------------|---------|----------|----------|
|                            | Catalog       | ESR                | 120 Hz  |          |          |
| Cap                        | Part Number   | 120 Hz             | +85 °C  | Dia.     | Length   |
| (µF)                       |               | (Ω)                | (A) RMS | (Inches) | (Inches) |
| 300 WVdc ( 350 Vdc Surge ) |               |                    |         |          |          |
| 3,800                      | CGS382T300V5L | 0.030              | 9.0     | 2.000    | 5.625    |
| 4,000                      | CGS402T300X5L | 0.058              | 8.3     | 3.000    | 5.625    |
| 4,100                      | CGS412T300W4C | 0.027              | 9.6     | 2.500    | 4.125    |
| 6,000                      | CGS602T300X8L | 0.022              | 15.9    | 3.000    | 8.625    |
| 6,200                      | CGS622T300W5L | 0.029              | 10.6    | 3.000    | 4.125    |
| 6,300                      | CGS632T300W5L | 0.018              | 13.3    | 2.500    | 5.625    |
| 8,300                      | CGS832T300X5C | 0.022              | 13.1    | 3.000    | 5.125    |
| 9,400                      | CGS942T300X5L | 0.019              | 14.4    | 3.000    | 5.625    |
| 10,000                     | CGS103T300X5R | 0.018              | 14.9    | 3.000    | 5.875    |
| 15,000                     | CGS153T300X8L | 0.015              | 19.8    | 3.000    | 8.625    |
| 350 WVdc ( 400 Vdc Surge ) |               |                    |         |          |          |
| 130                        | CGS131T350R2C | 0.683              | 1.0     | 1.375    | 2.125    |
| 250                        | CGS251T350R3C | 0.478              | 1.4     | 1.375    | 3.125    |
| 330                        | CGS331T350R2C | 0.297              | 1.6     | 1.375    | 2.125    |
| 380                        | CGS381T350R4C | 0.318              | 2.0     | 1.375    | 4.125    |
| 480                        | CGS481T350R2L | 0.206              | 2.0     | 1.375    | 2.625    |
| 620                        | CGS621T350R3C | 0.158              | 2.5     | 1.375    | 3.125    |
| 650                        | CGS651T350V3C | 0.212              | 2.7     | 2.000    | 3.125    |
| 800                        | CGS801T350V4C | 0.170              | 3.4     | 2.000    | 4.125    |
| 920                        | CGS921T350R4C | 0.108              | 3.4     | 1.375    | 4.125    |
| 1,000                      | CGS102T350R4C | 0.111              | 3.3     | 1.375    | 4.125    |
| 1,000                      | CGS102T350V2L | 0.145              | 3.0     | 2.000    | 2.625    |
| 1,000                      | CGS102T350V4C | 0.140              | 3.7     | 2.000    | 4.125    |
| 1,300                      | CGS132T350V3C | 0.085              | 4.3     | 2.000    | 3.125    |
| 1,300                      | CGS132T350V5L | 0.108              | 4.8     | 2.000    | 5.625    |
| 1,400                      | CGS142T350R5L | 0.074              | 4.7     | 1.375    | 5.625    |
| 1,500                      | CGS152T350U4C | 0.068              | 4.9     | 1.750    | 4.125    |
| 1,500                      | CGS152T350W4C | 0.123              | 4.5     | 2.500    | 4.125    |
| 1,600                      | CGS162T350V4C | 0.072              | 5.2     | 2.000    | 4.125    |
| 1,900                      | CGS192T350V4C | 0.056              | 5.9     | 2.000    | 4.125    |
| 2,100                      | CGS212T350X4C | 0.067              | 5.4     | 3.000    | 4.125    |
| 2,200                      | CGS222T350W5L | 0.063              | 7.2     | 2.500    | 5.625    |
| 2,400                      | CGS242T350V4L | 0.061              | 5.8     | 2.000    | 4.625    |
| 2,400                      | CGS242T350V5L | 0.040              | 7.9     | 2.000    | 5.625    |
| 2,700                      | CGS272T350W3L | 0.058              | 6.3     | 2.000    | 3.625    |
| 2,900                      | CGS292T350V5L | 0.037              | 8.0     | 2.000    | 5.625    |
| 3,000                      | CGS302T350X5R | 0.048              | 9.3     | 3.000    | 5.875    |
| 3,200                      | CGS322T350W4C | 0.039              | 8.0     | 2.500    | 4.125    |
| 3,300                      | CGS332T350V5L | 0.038              | 8.1     | 2.000    | 5.625    |
| 3,300                      | CGS332T350X5L | 0.044              | 9.5     | 3.000    | 5.625    |
| 3,400                      | CGS342T350X5L | 0.043              | 9.6     | 3.000    | 5.625    |
| 3,800                      | CGS382T350W4L | 0.042              | 8.1     | 2.500    | 4.625    |
| 4,000                      | CGS402T350X3L | 0.045              | 8.0     | 3.000    | 3.625    |
| 4,200                      | CGS422T350X4C | 0.035              | 9.4     | 3.000    | 4.125    |
| 4,800                      | CGS482T350W5L | 0.026              | 11.1    | 2.500    | 5.625    |
| 6,300                      | CGS632T350X5L | 0.025              | 12.7    | 3.000    | 5.625    |
| 6,400                      | CGS642T350X5C | 0.025              | 12.2    | 3.000    | 5.125    |
| 7,200                      | CGS722T350X5L | 0.022              | 13.3    | 3.000    | 5.625    |
| 7,300                      | CGS732T350X5L | 0.022              | 11.7    | 3.000    | 5.625    |
| 7,900                      | CGS792T350X5R | 0.020              | 13.9    | 3.000    | 5.875    |
| 10,000                     | CGS103T350X8L | 0.021              | 16.6    | 3.000    | 8.625    |
| 12,000                     | CGS123T350X8L | 0.017              | 18.4    | 3.000    | 8.625    |
| 400 WVdc ( 450 Vdc Surge ) |               |                    |         |          |          |
| 290                        | CGS291T400R2C | 0.320              | 1.5     | 1.375    | 2.125    |
| 420                        | CGS421T400R2L | 0.222              | 2.0     | 1.375    | 2.625    |
| 550                        | CGS551T400R3C | 0.170              | 2.4     | 1.375    | 3.125    |
| 780                        | CGS781T400V4C | 0.114              | 4.1     | 2.000    | 4.125    |
| 810                        | CGS811T400R4C | 0.116              | 3.3     | 1.375    | 4.125    |
| 1,100                      | CGS112T400V3C | 0.091              | 4.1     | 2.000    | 3.125    |
| 1,200                      | CGS122T400R5L | 0.079              | 4.6     | 1.375    | 5.625    |
| 1,300                      | CGS132T400U4C | 0.073              | 4.7     | 1.750    | 4.125    |

# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

| Cap<br>(µF)                | Catalog<br>Part Number | Typical Max Ripple   |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|----------------------------|------------------------|----------------------|-----------------------------|------------------|--------------------|
|                            |                        | ESR<br>120 Hz<br>(Ω) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| 400 WVdc ( 450 Vdc Surge ) |                        |                      |                             |                  |                    |
| 1,700                      | CGS172T400V4C          | 0.060                | 5.7                         | 2.0              | 4.125              |
| 2,600                      | CGS262T400V5L          | 0.040                | 7.8                         | 2.0              | 5.625              |
| 2,800                      | CGS282T400W4C          | 0.042                | 7.8                         | 2.5              | 4.125              |
| 4,200                      | CGS422T400W5L          | 0.035                | 9.6                         | 3.0              | 4.125              |
| 4,300                      | CGS432T400W5L          | 0.028                | 10.8                        | 2.5              | 5.625              |
| 5,700                      | CGS572T400X5C          | 0.026                | 11.9                        | 3.0              | 5.125              |
| 6,400                      | CGS642T400X5L          | 0.024                | 13.0                        | 3.0              | 5.625              |
| 7,000                      | CGS702T400X5R          | 0.022                | 13.5                        | 3.0              | 5.875              |
| 11,000                     | CGS113T400X8L          | 0.015                | 19.8                        | 3.0              | 8.265              |
| 450 WVdc ( 525 Vdc Surge ) |                        |                      |                             |                  |                    |
| 75                         | CGS750T450R2C          | 0.835                | 0.9                         | 1.375            | 2.125              |
| 100                        | CGS101T450R2C          | 0.737                | 1.0                         | 1.375            | 2.125              |
| 140                        | CGS141T450R3C          | 0.496                | 1.4                         | 1.375            | 3.125              |
| 170                        | CGS171T450R3C          | 0.456                | 1.5                         | 1.375            | 3.125              |
| 210                        | CGS211T450R4C          | 0.332                | 1.9                         | 1.375            | 4.125              |
| 240                        | CGS241T450R2C          | 0.416                | 1.3                         | 1.375            | 2.125              |
| 250                        | CGS251T450R4C          | 0.308                | 2.0                         | 1.375            | 4.125              |
| 320                        | CGS321T450V3C          | 0.253                | 2.5                         | 2.000            | 3.125              |
| 350                        | CGS351T450R2L          | 0.288                | 1.7                         | 1.375            | 2.625              |
| 350                        | CGS351T450R5C          | 0.226                | 3.2                         | 1.375            | 5.125              |
| 400                        | CGS401T450R5L          | 0.198                | 2.9                         | 1.375            | 5.625              |
| 450                        | CGS451T450V3C          | 0.188                | 2.9                         | 2.000            | 3.125              |
| 460                        | CGS461T450R3C          | 0.221                | 2.1                         | 1.375            | 3.125              |
| 480                        | CGS481T450V4C          | 0.171                | 3.4                         | 2.000            | 4.125              |
| 620                        | CGS621T450V2L          | 0.201                | 2.6                         | 2.000            | 2.625              |
| 650                        | CGS651T450V4C          | 0.154                | 3.7                         | 2.000            | 4.125              |
| 680                        | CGS681T450R4C          | 0.151                | 2.9                         | 1.375            | 4.125              |
| 800                        | CGS801T450V4L          | 0.108                | 4.4                         | 2.000            | 4.625              |
| 930                        | CGS931T450V3C          | 0.116                | 3.7                         | 2.000            | 3.125              |
| 970                        | CGS971T450V4C          | 0.096                | 4.5                         | 2.000            | 4.125              |
| 1,000                      | CGS102T450R5L          | 0.103                | 4.0                         | 1.375            | 5.625              |
| 1,000                      | CGS102T450V3L          | 0.100                | 4.1                         | 2.000            | 3.625              |
| 1,000                      | CGS102T450W4C          | 0.082                | 5.5                         | 2.500            | 4.125              |
| 1,100                      | CGS112T450U4C          | 0.094                | 4.1                         | 1.750            | 4.125              |
| 1,100                      | CGS112T450X4C          | 0.076                | 6.5                         | 3.000            | 4.125              |
| 1,400                      | CGS142T450V4C          | 0.076                | 5.0                         | 2.000            | 4.125              |
| 1,400                      | CGS142T450V4L          | 0.069                | 5.5                         | 2.000            | 4.625              |
| 1,400                      | CGS142T450V5L          | 0.059                | 6.5                         | 2.000            | 5.625              |
| 1,400                      | CGS142T450W5C          | 0.060                | 7.1                         | 2.500            | 5.125              |
| 1,500                      | CGS152T450X4C          | 0.059                | 7.4                         | 3.000            | 4.125              |
| 1,500                      | CGS152T450X5C          | 0.057                | 8.1                         | 3.000            | 5.125              |
| 1,700                      | CGS172T450W3L          | 0.063                | 6.0                         | 2.500            | 3.625              |
| 1,800                      | CGS182T450V5L          | 0.054                | 5.4                         | 2.000            | 5.625              |
| 1,800                      | CGS182T450X5R          | 0.048                | 9.3                         | 3.000            | 5.875              |
| 1,900                      | CGS192T450X5L          | 0.052                | 7.6                         | 3.000            | 5.625              |
| 2,000                      | CGS202T450X5C          | 0.045                | 9.1                         | 3.000            | 5.125              |
| 2,200                      | CGS222T450V5L          | 0.051                | 6.9                         | 2.000            | 5.625              |
| 2,200                      | CGS222T450X4C          | 0.045                | 8.4                         | 3.000            | 4.125              |
| 2,300                      | CGS232T450W4C          | 0.052                | 7.0                         | 2.500            | 4.125              |
| 2,400                      | CGS242T450W4C          | 0.048                | 7.2                         | 2.500            | 4.125              |
| 2,400                      | CGS242T450W4L          | 0.055                | 7.1                         | 2.500            | 4.625              |
| 2,400                      | CGS242T450X5L          | 0.038                | 10.3                        | 3.000            | 5.625              |

| Cap<br>(µF)                | Catalog<br>Part Number | Typical Max Ripple   |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|----------------------------|------------------------|----------------------|-----------------------------|------------------|--------------------|
|                            |                        | ESR<br>120 Hz<br>(Ω) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| 450 WVdc ( 525 Vdc Surge ) |                        |                      |                             |                  |                    |
| 2,500                      | CGS252T450X3L          | 0.058                | 7.0                         | 3.0              | 3.625              |
| 3,100                      | CGS312T450W5L          | 0.043                | 7.2                         | 2.5              | 5.625              |
| 3,300                      | CGS332T450X5L          | 0.031                | 11.4                        | 3.0              | 5.625              |
| 3,500                      | CGS352T450W5L          | 0.042                | 8.8                         | 3.0              | 4.125              |
| 3,600                      | CGS362T450W5L          | 0.035                | 9.7                         | 2.5              | 5.625              |
| 3,600                      | CGS362T450X4L          | 0.041                | 9.2                         | 3.0              | 4.625              |
| 4,600                      | CGS462T450X5L          | 0.032                | 9.6                         | 3.0              | 5.625              |
| 4,700                      | CGS472T450X5C          | 0.031                | 10.9                        | 3.0              | 5.125              |
| 5,300                      | CGS532T450X5L          | 0.028                | 12.0                        | 3.0              | 5.625              |
| 5,800                      | CGS582T450X5R          | 0.026                | 12.4                        | 3.0              | 5.875              |
| 7,700                      | CGS772T450X8L          | 0.020                | 16.7                        | 3.0              | 8.625              |
| 9,000                      | CGS902T450X8L          | 0.017                | 18.2                        | 3.0              | 8.625              |
| 500 WVdc ( 550 Vdc Surge ) |                        |                      |                             |                  |                    |
| 160                        | CGS161T500R2C          | 0.610                | 1.1                         | 1.375            | 2.125              |
| 240                        | CGS241T500R2L          | 0.422                | 1.4                         | 1.375            | 2.625              |
| 240                        | CGS241T500U2C          | 0.416                | 1.6                         | 1.750            | 2.125              |
| 310                        | CGS311T500R3C          | 0.323                | 1.8                         | 1.375            | 3.125              |
| 310                        | CGS311T500V2C          | 0.322                | 2.0                         | 2.000            | 2.125              |
| 361                        | CGS361T500U2L          | 0.282                | 2.1                         | 1.750            | 2.625              |
| 380                        | CGS381T500R3L          | 0.262                | 2.1                         | 1.375            | 3.625              |
| 450                        | CGS451T500R4C          | 0.220                | 2.4                         | 1.375            | 4.125              |
| 460                        | CGS461T500V2L          | 0.225                | 2.6                         | 2.000            | 2.625              |
| 530                        | CGS531T500R4L          | 0.190                | 2.7                         | 1.375            | 4.625              |
| 600                        | CGS601T500R5C          | 0.167                | 3.0                         | 1.375            | 5.125              |
| 620                        | CGS621T500U3L          | 0.164                | 3.2                         | 1.750            | 3.625              |
| 620                        | CGS621T500V3C          | 0.165                | 3.2                         | 2.000            | 3.125              |
| 670                        | CGS671T500R5L          | 0.150                | 3.5                         | 1.375            | 5.625              |
| 750                        | CGS751T500U4C          | 0.136                | 3.6                         | 1.750            | 4.125              |
| 790                        | CGS791T500V3L          | 0.131                | 3.8                         | 2.000            | 3.625              |
| 880                        | CGS881T500U4L          | 0.116                | 4.1                         | 1.750            | 4.625              |
| 950                        | CGS951T500V4C          | 0.108                | 4.4                         | 2.000            | 4.125              |
| 1000                       | CGS102T500U5C          | 0.101                | 4.6                         | 1.750            | 5.125              |
| 1000                       | CGS102T500W3C          | 0.101                | 4.7                         | 2.500            | 3.125              |
| 1100                       | CGS112T500U5L          | 0.089                | 5.1                         | 1.750            | 5.625              |
| 1100                       | CGS112T500V4L          | 0.092                | 5.0                         | 2.000            | 4.625              |
| 1300                       | CGS132T500V5C          | 0.081                | 5.6                         | 2.000            | 5.125              |
| 1300                       | CGS132T500W3L          | 0.080                | 5.6                         | 2.500            | 3.625              |
| 1500                       | CGS152T500V5L          | 0.072                | 6.1                         | 2.000            | 5.625              |
| 1600                       | CGS162T500W4C          | 0.066                | 6.5                         | 2.500            | 4.125              |
| 1800                       | CGS182T500W4L          | 0.057                | 7.3                         | 2.500            | 4.625              |
| 1900                       | CGS192T500X3L          | 0.057                | 7.5                         | 3.000            | 3.625              |
| 2100                       | CGS212T500W5C          | 0.049                | 8.2                         | 2.500            | 5.125              |
| 2300                       | CGS232T500X4C          | 0.047                | 8.7                         | 3.000            | 4.125              |
| 2400                       | CGS242T500W5L          | 0.044                | 9.0                         | 2.500            | 5.625              |
| 2700                       | CGS272T500Y3L          | 0.041                | 9.8                         | 3.500            | 3.625              |
| 2800                       | CGS282T500X4L          | 0.040                | 9.8                         | 3.000            | 4.625              |
| 3200                       | CGS322T500X5C          | 0.035                | 20.3                        | 3.000            | 5.125              |
| 3300                       | CGS332T500Y4C          | 0.034                | 11.2                        | 3.500            | 4.125              |
| 3500                       | CGS352T500X5L          | 0.030                | 12.1                        | 3.000            | 5.625              |
| 4400                       | CGS442T500Y5C          | 0.025                | 14.1                        | 3.500            | 5.125              |
| 4800                       | CGS482T500Y5L          | 0.023                | 15.2                        | 3.500            | 5.625              |
| 6000                       | CGS602T500X8L          | 0.018                | 18.7                        | 3.000            | 8.625              |
| 8300                       | CGS832T500Y8L          | 0.014                | 23.1                        | 3.500            | 8.625              |



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