

# OxiCap® NOS Low ESR Series



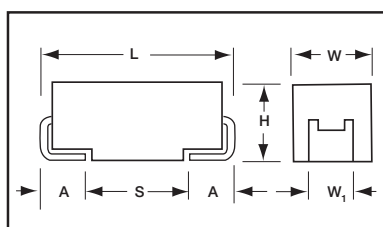
## Niobium Oxide Capacitor



- Low ESR NbO capacitors
- Non-burn safe technology
- Reliability level: 0.2%/1000 hrs.
- CV range: 10-1000µF / 1.8-6.3V
- 9 case sizes available
- IBM global approval received in 2004
- Electra Award received in 2005



Electra Award  
2005



For part marking see page 132

### CASE DIMENSIONS: millimeters (inches)

| Code | EIA Code | EIA Metric | L±0.20 (0.008) | W+0.20 (0.008)<br>-0.10 (0.004) | H+0.20 (0.008)<br>-0.10 (0.004) | W <sub>1</sub> ±0.20 (0.008) | A+0.30 (0.012)<br>-0.20 (0.008) | S Min.       |
|------|----------|------------|----------------|---------------------------------|---------------------------------|------------------------------|---------------------------------|--------------|
| A    | 1206     | 3216-18    | 3.20 (0.126)   | 1.60 (0.063)                    | 1.60 (0.063)                    | 1.20 (0.047)                 | 0.80 (0.031)                    | 1.10 (0.043) |
| B    | 1210     | 3528-21    | 3.50 (0.138)   | 2.80 (0.110)                    | 1.90 (0.075)                    | 2.20 (0.087)                 | 0.80 (0.031)                    | 1.40 (0.055) |
| C    | 2312     | 6032-28    | 6.00 (0.236)   | 3.20 (0.126)                    | 2.60 (0.102)                    | 2.20 (0.087)                 | 1.30 (0.051)                    | 2.90 (0.114) |
| D    | 2917     | 7343-31    | 7.30 (0.287)   | 4.30 (0.169)                    | 2.90 (0.114)                    | 2.40 (0.094)                 | 1.30 (0.051)                    | 4.40 (0.173) |
| E    | 2917     | 7343-43    | 7.30 (0.287)   | 4.30 (0.169)                    | 4.10 (0.162)                    | 2.40 (0.094)                 | 1.30 (0.051)                    | 4.40 (0.173) |
| V    | 2924     | 7361-38    | 7.30 (0.287)   | 6.10 (0.240)                    | 3.45 ±0.30<br>(0.136±0.012)     | 3.10 (0.120)                 | 1.40 (0.055)                    | 4.40 (0.173) |
| W    | 2312     | 6032-15    | 6.00 (0.236)   | 3.20 (0.126)                    | 1.50 (0.059) max.               | 2.20 (0.087)                 | 1.30 (0.051)                    | 2.90 (0.114) |
| X    | 2917     | 7343-15    | 7.30 (0.287)   | 4.30 (0.169)                    | 1.50 (0.059)                    | 2.40 (0.094)                 | 1.30 (0.051)                    | 4.40 (0.173) |
| Y    | 2917     | 7343-20    | 7.30 (0.287)   | 4.30 (0.169)                    | 2.00 (0.079) max                | 2.40 (0.094)                 | 1.30 (0.051)                    | 4.40 (0.173) |

W<sub>1</sub> dimension applies to the termination width for A dimensional area only.

### HOW TO ORDER

**NOS**

Type

**D**

Case Size  
See table above

**107**

Capacitance Code  
1st two digits represent significant figures, 3rd digit represents multiplier in pF

**M**

Tolerance  
M=±20%

**006**

Rated DC Voltage  
001 = 1.8Vdc  
002 = 2.5Vdc  
004 = 4Vdc  
006 = 6.3Vdc

**R**

Packaging  
R = Lead Free  
7" Reel  
S = Lead Free  
13" Reel

**0100**

ESR in mΩ

**—**

Additional characters may be added for special requirements  
V = Dry pack Option (selected codes only) with exception of D, E, X, Y, V cases

### TECHNICAL SPECIFICATIONS

Technical Data:

All technical data relate to an ambient temperature of +25°C is not stated

Capacitance Range: 10 µF to 1000 µF

Capacitance Tolerance: ±20%

Leakage Current DCL: 0.02CV

Rated Voltage DC (V<sub>R</sub>) ≤ +85°C: 1.8 2.5 4 6.3

Category Voltage (V<sub>C</sub>) ≤ +125°C: 0.9 1.3 2 3

Surge Voltage (V<sub>S</sub>) ≤ +85°C: 2.3 3.3 5.2 8

Surge Voltage (V<sub>S</sub>) ≤ +125°C: 1.2 1.7 2.6 4

Temperature Range: -55°C to +125°C

Reliability: 0.2% per 1000 hours at 85°C, V<sub>R</sub>, 0.1Ω/V series impedance, 60% confidence level

Meets requirements of AEC-Q200

# OxiCap® NOS Low ESR Series



## Niobium Oxide Capacitor

### CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

| Capacitance |      | Rated Voltage DC (V <sub>R</sub> ) to 85°C / 0.66 DC to 105°C / 0.5 DC to 125°C |                        |                               |                               |
|-------------|------|---------------------------------------------------------------------------------|------------------------|-------------------------------|-------------------------------|
| μF          | Code | 1.8V (x)                                                                        | 2.5V (e)               | 4.0V (G)                      | 6.3V (J)                      |
| 4.7         | 475  |                                                                                 |                        |                               |                               |
| 6.8         | 685  |                                                                                 |                        |                               |                               |
| 10          | 106  |                                                                                 |                        |                               | A(800, 1000, 2000)            |
| 15          | 156  |                                                                                 |                        | A(1500)                       | B(600)                        |
| 22          | 226  |                                                                                 | A(900)                 | B(600)                        | B(600)                        |
| 33          | 336  |                                                                                 |                        | B(600)                        | B(600)<br>C(500)<br>W(250)    |
| 47          | 476  |                                                                                 | B(500)                 | B(500)<br>C(300)<br>W(150)    | B(500)<br>C(300)              |
| 68          | 686  |                                                                                 | C(200)<br>W(150)       | C(200)                        | C(75,200)<br>X(100)<br>Y(100) |
| 100         | 107  | B(350)<br>W(150)                                                                | C(150)                 | C(70,150)<br>X(100)           | C(150)<br>D(80,100)<br>Y(100) |
| 150         | 157  |                                                                                 | C(65,150)<br>X(100)    | C(90,150)<br>Y(100)           | D(50,70,100)<br>Y(100)        |
| 220         | 227  | C(125)<br>X(100)                                                                | C(80,125)<br>Y(100)    | D(40,60,100)<br>Y(100)        | D(45,60,100)<br>E(80,100)     |
| 330         | 337  | Y(100)                                                                          | D(35,50,100)<br>Y(100) | D(35,55,100)<br>E(100)/Y(150) | E(80,100)                     |
| 470         | 477  | Y(100)                                                                          | D(35,55,100)<br>E(100) | D(100)<br>E(75,100)           | V(75)                         |
| 680         | 687  |                                                                                 | E(60)                  | V(75)                         |                               |
| 1000        | 108  |                                                                                 | V(50)                  |                               |                               |

Available Ratings, (ESR ratings in mOhms in brackets)

Engineering samples - please contact manufacturer

\*Codes under development - subject to change

Note: Voltage ratings are minimum values. AVX reserves the right to supply higher ratings in the same case size, to the same reliability standards.



LEAD-FREE

LEAD-FREE COMPATIBLE  
COMPONENT



RoHS  
COMPLIANT



NON-BURN  
NON-SMOKE

# OxiCap® NOS Low ESR Series



## Niobium Oxide Capacitor

### RATINGS & PART NUMBER REFERENCE

| AVX<br>Part No.                                      | Case<br>Size | Capacitance<br>(µF) | Rated<br>Voltage(V) | DCL<br>(µA) | DF<br>% | ESR<br>Max. (mΩ)<br>@100kHz | 100kHz Ripple Current Ratings (A) |       |       | 100kHz Ripple Voltage Ratings (V) |       |       |
|------------------------------------------------------|--------------|---------------------|---------------------|-------------|---------|-----------------------------|-----------------------------------|-------|-------|-----------------------------------|-------|-------|
|                                                      |              |                     |                     |             |         |                             | 25°C                              | 85°C  | 125°C | 25°C                              | 85°C  | 125°C |
| 1.8 Volt @ 85°C (1.2 Volt @ 105°C, 0.9 Volt @ 125°C) |              |                     |                     |             |         |                             |                                   |       |       |                                   |       |       |
| NOSB107M001#0350                                     | B            | 100                 | 1.8                 | 3.6         | 6       | 350                         | 0.540                             | 0.486 | 0.216 | 0.189                             | 0.170 | 0.076 |
| NOSW107M001#0150                                     | W            | 100                 | 1.8                 | 3.6         | 6       | 150                         | 0.849                             | 0.764 | 0.339 | 0.127                             | 0.115 | 0.051 |
| NOSC227M001#0125                                     | C            | 220                 | 1.8                 | 8.0         | 8       | 125                         | 1.028                             | 0.925 | 0.411 | 0.128                             | 0.116 | 0.051 |
| NOSX227M001#0100                                     | X            | 220                 | 1.8                 | 8.0         | 8       | 100                         | 1.095                             | 0.986 | 0.438 | 0.110                             | 0.099 | 0.044 |
| NOSY337M001#0100                                     | Y            | 330                 | 1.8                 | 11.9        | 8       | 100                         | 1.225                             | 1.102 | 0.490 | 0.122                             | 0.110 | 0.049 |
| NOSY477M001#0100                                     | Y            | 470                 | 1.8                 | 16.9        | 8       | 100                         | 1.225                             | 1.102 | 0.490 | 0.122                             | 0.110 | 0.049 |
| 2.5 Volt @ 85°C (1.7 Volt @ 105°C, 1.3 Volt @ 125°C) |              |                     |                     |             |         |                             |                                   |       |       |                                   |       |       |
| NOSA226M002#0900                                     | A            | 22                  | 2.5                 | 1.1         | 6       | 900                         | 0.316                             | 0.285 | 0.126 | 0.285                             | 0.256 | 0.114 |
| NOSB476M002#0500                                     | B            | 47                  | 2.5                 | 2.4         | 6       | 500                         | 0.452                             | 0.406 | 0.181 | 0.226                             | 0.203 | 0.090 |
| NOSC686M002#0200                                     | C            | 68                  | 2.5                 | 3.4         | 6       | 200                         | 0.812                             | 0.731 | 0.325 | 0.162                             | 0.146 | 0.065 |
| NOSW686M002#0150                                     | W            | 68                  | 2.5                 | 3.4         | 6       | 150                         | 0.849                             | 0.764 | 0.339 | 0.127                             | 0.115 | 0.051 |
| NOSC107M002#0150                                     | C            | 100                 | 2.5                 | 5.0         | 6       | 150                         | 0.938                             | 0.844 | 0.375 | 0.141                             | 0.127 | 0.056 |
| NOSC157M002#0065                                     | C            | 150                 | 2.5                 | 7.6         | 6       | 65                          | 1.425                             | 1.283 | 0.570 | 0.093                             | 0.083 | 0.037 |
| NOSC157M002#0150                                     | C            | 150                 | 2.5                 | 7.6         | 6       | 150                         | 0.938                             | 0.844 | 0.375 | 0.141                             | 0.127 | 0.056 |
| NOSX157M002#0100                                     | X            | 150                 | 2.5                 | 7.5         | 6       | 100                         | 1.095                             | 0.986 | 0.438 | 0.110                             | 0.099 | 0.044 |
| NOSC227M002#0080                                     | C            | 220                 | 2.5                 | 11.0        | 8       | 80                          | 1.285                             | 1.156 | 0.514 | 0.103                             | 0.092 | 0.041 |
| NOSC227M002#0125                                     | C            | 220                 | 2.5                 | 11.0        | 8       | 125                         | 1.028                             | 0.925 | 0.411 | 0.128                             | 0.116 | 0.051 |
| NOSY227M002#0100                                     | Y            | 220                 | 2.5                 | 11.0        | 8       | 100                         | 1.225                             | 1.102 | 0.490 | 0.122                             | 0.110 | 0.049 |
| NOSD337M002#0035                                     | D            | 330                 | 2.5                 | 16.5        | 6       | 35                          | 2.268                             | 2.041 | 0.907 | 0.079                             | 0.071 | 0.032 |
| NOSD337M002#0100                                     | D            | 330                 | 2.5                 | 16.5        | 10      | 100                         | 1.342                             | 1.207 | 0.537 | 0.134                             | 0.121 | 0.054 |
| NOSY337M002#0100                                     | Y            | 330                 | 2.5                 | 16.5        | 10      | 100                         | 1.225                             | 1.102 | 0.490 | 0.122                             | 0.110 | 0.049 |
| NOSD477M002#0035                                     | D            | 470                 | 2.5                 | 23.5        | 6       | 35                          | 2.268                             | 2.041 | 0.907 | 0.079                             | 0.071 | 0.032 |
| NOSD447M002#0055                                     | D            | 470                 | 2.5                 | 23.5        | 10      | 55                          | 1.809                             | 1.628 | 0.724 | 0.099                             | 0.090 | 0.040 |
| NOSD447M002#0100                                     | D            | 470                 | 2.5                 | 23.5        | 10      | 100                         | 1.342                             | 1.207 | 0.537 | 0.134                             | 0.121 | 0.054 |
| NOSE477M002#0100                                     | E            | 470                 | 2.5                 | 23.5        | 10      | 100                         | 1.407                             | 1.266 | 0.563 | 0.141                             | 0.127 | 0.056 |
| NOSE687M002#0060                                     | E            | 680                 | 2.5                 | 34.0        | 12      | 60                          | 1.817                             | 1.635 | 0.727 | 0.109                             | 0.098 | 0.044 |
| NOSV108M002#0050                                     | V            | 1000                | 2.5                 | 50.0        | 18      | 50                          | 2.449                             | 2.205 | 0.980 | 0.122                             | 0.110 | 0.049 |
| 4 Volt @ 85°C (2.6 Volt @ 105°C, 2 Volt @ 125°C)     |              |                     |                     |             |         |                             |                                   |       |       |                                   |       |       |
| NOSA156M004#1500                                     | A            | 15                  | 4                   | 1.2         | 6       | 1500                        | 0.245                             | 0.220 | 0.098 | 0.367                             | 0.331 | 0.147 |
| NOSB226M004#0600                                     | B            | 22                  | 4                   | 1.8         | 6       | 600                         | 0.412                             | 0.371 | 0.165 | 0.247                             | 0.223 | 0.099 |
| NOSB336M004#0600                                     | B            | 33                  | 4                   | 2.6         | 6       | 600                         | 0.412                             | 0.371 | 0.165 | 0.247                             | 0.223 | 0.099 |
| NOSB476M004#0500                                     | B            | 47                  | 4                   | 3.8         | 6       | 500                         | 0.452                             | 0.406 | 0.181 | 0.226                             | 0.203 | 0.090 |
| NOSC476M004#0300                                     | C            | 47                  | 4                   | 3.8         | 6       | 300                         | 0.663                             | 0.597 | 0.265 | 0.199                             | 0.179 | 0.080 |
| NOSW476M004#0150                                     | W            | 47                  | 4                   | 3.8         | 6       | 150                         | 0.849                             | 0.764 | 0.339 | 0.127                             | 0.115 | 0.051 |
| NOSC686M004#0200                                     | C            | 68                  | 4                   | 5.4         | 6       | 200                         | 0.812                             | 0.731 | 0.325 | 0.162                             | 0.146 | 0.065 |
| NOSC107M004#0070                                     | C            | 100                 | 4                   | 8.0         | 6       | 70                          | 1.373                             | 1.236 | 0.549 | 0.096                             | 0.087 | 0.038 |
| NOSC107M004#0150                                     | C            | 100                 | 4                   | 8.0         | 6       | 150                         | 0.938                             | 0.844 | 0.375 | 0.141                             | 0.127 | 0.056 |
| NOSX107M004#0100                                     | X            | 100                 | 4                   | 8.0         | 6       | 100                         | 1.095                             | 0.986 | 0.438 | 0.110                             | 0.099 | 0.044 |
| NOSC157M004#0090                                     | C            | 150                 | 4                   | 12.0        | 6       | 90                          | 1.211                             | 1.090 | 0.484 | 0.109                             | 0.098 | 0.044 |
| NOSC157M004#0150                                     | C            | 150                 | 4                   | 12.0        | 6       | 150                         | 0.938                             | 0.844 | 0.375 | 0.141                             | 0.127 | 0.056 |
| NOSY157M004#0100                                     | Y            | 150                 | 4                   | 12.0        | 6       | 100                         | 1.225                             | 1.102 | 0.490 | 0.122                             | 0.110 | 0.049 |
| NOSD227M004#0040                                     | D            | 220                 | 4                   | 17.6        | 6       | 40                          | 2.121                             | 1.909 | 0.849 | 0.085                             | 0.076 | 0.034 |
| NOSD227M004#0060                                     | D            | 220                 | 4                   | 17.6        | 8       | 60                          | 1.732                             | 1.559 | 0.693 | 0.104                             | 0.094 | 0.042 |
| NOSD227M004#0100                                     | D            | 220                 | 4                   | 17.6        | 8       | 100                         | 1.342                             | 1.207 | 0.537 | 0.134                             | 0.121 | 0.054 |
| NOSY227M004#0100                                     | Y            | 220                 | 4                   | 17.6        | 10      | 100                         | 1.225                             | 1.102 | 0.490 | 0.122                             | 0.110 | 0.049 |
| NOSD337M004#0035                                     | D            | 330                 | 4                   | 26.4        | 6       | 35                          | 2.268                             | 2.041 | 0.907 | 0.079                             | 0.071 | 0.032 |
| NOSD337M004#0100                                     | D            | 330                 | 4                   | 26.4        | 8       | 100                         | 1.342                             | 1.207 | 0.537 | 0.134                             | 0.121 | 0.054 |
| NOSE337M004#0100                                     | E            | 330                 | 4                   | 26.4        | 8       | 100                         | 1.407                             | 1.266 | 0.563 | 0.141                             | 0.127 | 0.056 |
| NOSY337M004#0150                                     | Y            | 330                 | 4                   | 26.4        | 12      | 150                         | 1.000                             | 0.900 | 0.400 | 0.150                             | 0.135 | 0.060 |
| NOSD477M004#0100                                     | D            | 470                 | 4                   | 37.6        | 12      | 100                         | 1.342                             | 1.207 | 0.537 | 0.134                             | 0.121 | 0.054 |
| NOSE477M004#0075                                     | E            | 470                 | 4                   | 37.6        | 12      | 75                          | 1.625                             | 1.462 | 0.650 | 0.122                             | 0.110 | 0.049 |
| NOSE477M004#0100                                     | E            | 470                 | 4                   | 37.6        | 12      | 100                         | 1.407                             | 1.266 | 0.563 | 0.141                             | 0.127 | 0.056 |
| NOSV687M004#0075                                     | V            | 680                 | 4                   | 54.4        | 14      | 75                          | 2.000                             | 1.800 | 0.800 | 0.150                             | 0.135 | 0.060 |

# - Insert R for 7" reel or S for 13" reel

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes.

MSL level: See page 123 (6. Moisture Sensitivity Level) or packaging and reel label.

ESR allowed to move up to 1.25 times catalog limit post mounting.

**Note: AVX reserves the rights to supply higher voltage rating in the same case size to the same reliability standards.**

# OxiCap® NOS Low ESR Series



## Niobium Oxide Capacitor

### RATINGS & PART NUMBER REFERENCE

| AVX<br>Part No.                                  | Case<br>Size | Capacitance<br>(μF) | Rated<br>Voltage(V) | DCL<br>(μA) | DF<br>% | ESR<br>Max. (mΩ)<br>@100kHz | 100kHz Ripple Current Ratings (A) |       |       | 100kHz Ripple Voltage Ratings (V) |       |       |
|--------------------------------------------------|--------------|---------------------|---------------------|-------------|---------|-----------------------------|-----------------------------------|-------|-------|-----------------------------------|-------|-------|
|                                                  |              |                     |                     |             |         |                             | 25°C                              | 85°C  | 125°C | 25°C                              | 85°C  | 125°C |
| 6.3 Volt @ 85°C (4 Volt @ 105°C, 3 Volt @ 125°C) |              |                     |                     |             |         |                             |                                   |       |       |                                   |       |       |
| NOSA106M006#0800                                 | A            | 10                  | 6.3                 | 1.2         | 6       | 800                         | 0.335                             | 0.302 | 0.134 | 0.268                             | 0.241 | 0.107 |
| NOSA106M006#1000                                 | A            | 10                  | 6.3                 | 1.2         | 6       | 1000                        | 0.300                             | 0.270 | 0.120 | 0.300                             | 0.270 | 0.120 |
| NOSA106M006#2000                                 | A            | 10                  | 6.3                 | 1.2         | 6       | 2000                        | 0.212                             | 0.191 | 0.085 | 0.424                             | 0.382 | 0.170 |
| NOSB156M006#0600                                 | B            | 15                  | 6.3                 | 1.8         | 6       | 600                         | 0.412                             | 0.371 | 0.165 | 0.247                             | 0.223 | 0.099 |
| NOSB226M006#0600                                 | B            | 22                  | 6.3                 | 2.6         | 6       | 600                         | 0.412                             | 0.371 | 0.165 | 0.247                             | 0.223 | 0.099 |
| NOSB336M006#0600                                 | B            | 33                  | 6.3                 | 4.0         | 6       | 600                         | 0.412                             | 0.371 | 0.165 | 0.247                             | 0.223 | 0.099 |
| NOSC336M006#0500                                 | C            | 33                  | 6.3                 | 4.0         | 6       | 500                         | 0.514                             | 0.462 | 0.206 | 0.257                             | 0.231 | 0.103 |
| NOSW336M006#0250                                 | W            | 33                  | 6.3                 | 4.0         | 6       | 250                         | 0.657                             | 0.592 | 0.263 | 0.164                             | 0.148 | 0.066 |
| NOSB476M006#0500                                 | B            | 47                  | 6.3                 | 5.6         | 6       | 500                         | 0.452                             | 0.406 | 0.181 | 0.226                             | 0.203 | 0.090 |
| NOSC476M006#0300                                 | C            | 47                  | 6.3                 | 5.7         | 6       | 300                         | 0.663                             | 0.597 | 0.265 | 0.199                             | 0.179 | 0.080 |
| NOSC686M006#0075                                 | C            | 68                  | 6.3                 | 8.2         | 6       | 75                          | 1.327                             | 1.194 | 0.531 | 0.099                             | 0.090 | 0.040 |
| NOSC686M006#0200                                 | C            | 68                  | 6.3                 | 8.2         | 6       | 200                         | 0.812                             | 0.731 | 0.325 | 0.162                             | 0.146 | 0.065 |
| NOSX686M006#0100                                 | X            | 68                  | 6.3                 | 8.2         | 6       | 100                         | 1.095                             | 0.986 | 0.438 | 0.110                             | 0.099 | 0.044 |
| NOSY686M006#0100                                 | Y            | 68                  | 6.3                 | 8.2         | 6       | 100                         | 1.225                             | 1.102 | 0.490 | 0.122                             | 0.110 | 0.049 |
| NOSC107M006#0150                                 | C            | 100                 | 6.3                 | 12.0        | 8       | 150                         | 0.938                             | 0.844 | 0.375 | 0.141                             | 0.127 | 0.056 |
| NOSD107M006#0080                                 | D            | 100                 | 6.3                 | 12.0        | 6       | 80                          | 1.500                             | 1.350 | 0.600 | 0.120                             | 0.108 | 0.048 |
| NOSD107M006#0100                                 | D            | 100                 | 6.3                 | 12.0        | 6       | 100                         | 1.342                             | 1.207 | 0.537 | 0.134                             | 0.121 | 0.054 |
| NOSY107M006#0100                                 | Y            | 100                 | 6.3                 | 12.0        | 6       | 100                         | 1.225                             | 1.102 | 0.490 | 0.122                             | 0.110 | 0.049 |
| NOSD157M006#0050                                 | D            | 150                 | 6.3                 | 18.0        | 6       | 50                          | 1.897                             | 1.708 | 0.759 | 0.095                             | 0.085 | 0.038 |
| NOSD157M006#0070                                 | D            | 150                 | 6.3                 | 18.0        | 6       | 70                          | 1.604                             | 1.443 | 0.641 | 0.112                             | 0.101 | 0.045 |
| NOSD157M006#0100                                 | D            | 150                 | 6.3                 | 18.0        | 6       | 100                         | 1.342                             | 1.207 | 0.537 | 0.134                             | 0.121 | 0.054 |
| NOSY157M006#0100                                 | Y            | 150                 | 6.3                 | 18.0        | 6       | 100                         | 1.225                             | 1.102 | 0.490 | 0.122                             | 0.110 | 0.049 |
| NOSD227M006#0045                                 | D            | 220                 | 6.3                 | 26.4        | 6       | 45                          | 2.000                             | 1.800 | 0.800 | 0.090                             | 0.081 | 0.036 |
| NOSD227M006#0060                                 | D            | 220                 | 6.3                 | 26.4        | 8       | 60                          | 1.732                             | 1.559 | 0.693 | 0.104                             | 0.094 | 0.042 |
| NOSD227M006#0100                                 | D            | 220                 | 6.3                 | 26.4        | 8       | 100                         | 1.342                             | 1.207 | 0.537 | 0.134                             | 0.121 | 0.054 |
| NOSE227M006#0080                                 | E            | 220                 | 6.3                 | 26.4        | 12      | 80                          | 1.573                             | 1.416 | 0.629 | 0.126                             | 0.113 | 0.050 |
| NOSE227M006#0100                                 | E            | 220                 | 6.3                 | 26.4        | 12      | 100                         | 1.407                             | 1.266 | 0.563 | 0.141                             | 0.127 | 0.056 |
| NOSE337M006#0080                                 | E            | 330                 | 6.3                 | 39.6        | 12      | 80                          | 1.573                             | 1.416 | 0.629 | 0.126                             | 0.113 | 0.050 |
| NOSE337M006#0100                                 | E            | 330                 | 6.3                 | 39.6        | 12      | 100                         | 1.407                             | 1.266 | 0.563 | 0.141                             | 0.127 | 0.056 |
| NOSV477M006#0075                                 | V            | 470                 | 6.3                 | 56.4        | 12      | 75                          | 2.000                             | 1.800 | 0.800 | 0.150                             | 0.135 | 0.060 |

# - Insert R for 7" reel or S for 13" reel

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes.

MSL level: See page 123 (6. Moisture Sensitivity Level) or packaging and reel label.

ESR allowed to move up to 1.25 times catalog limit post mounting.

**Note: AVX reserves the rights to supply higher voltage rating in the same case size to the same reliability standards.**



**Стандарт  
Электрон  
Связь**

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**Наши контакты:**

**Телефон:** +7 812 627 14 35

**Электронная почта:** [sales@st-electron.ru](mailto:sales@st-electron.ru)

**Адрес:** 198099, Санкт-Петербург,  
Промышленная ул, дом № 19, литера Н,  
помещение 100-Н Офис 331