

# Schottky Barrier Rectifier Diode



## Lead-less Chip Form

### GENERAL DESCRIPTION

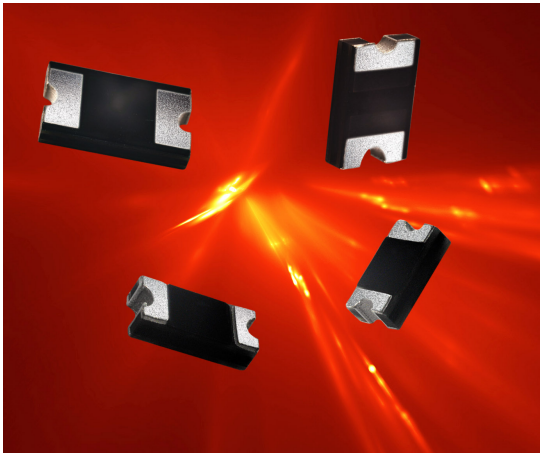
AVX Schottky rectifier diodes offer unique lead-less chip packaging technology which eliminates the lead frame wire bond to give the chip top-bottom symmetry for fewer mounting problems, better heat transfer, and current handling capability (compared to SOD devices).

### FEATURES

- Lead-less chip form
- Low  $V_f$
- High current capability
- Low power loss/high efficiency
- UL 94V-0 class package material
- Halogen free

### APPLICATIONS

- Switch mode power supplies
- High frequency rectification
- Portable battery powered devices
- Reverse bias protection



### MECHANICAL DATA

Case: FRP substrate with epoxy underfill

Terminations: 100% Sn plated (Pb-free), solderable per MIL-STD-750, Method 2026.

Operating Temperature: -55°C to 125°C

Storage Temperature: -55°C to 150°C

### HOW TO ORDER

| SD                           | 3220                                         | S                                     | 020                                                                                                   | S                                | 3R0                                                                      |
|------------------------------|----------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------|
| Series<br>Schottky<br>Diodes | Size<br>3220<br>2114<br>2010<br>0805<br>0603 | Thickness<br>S = Standard<br>T = Thin | Voltage<br>020 = 20V<br>030 = 30V<br>040 = 40V<br>060 = 60V<br>100 = 100V<br>150 = 150V<br>200 = 200V | $V_f$<br>S = Standard<br>L = Low | Current<br>0R1 = 0.1<br>0R2 = 0.2<br>0R3 = 0.3<br>0R5 = 0.5<br>1R0 = 1.0 |



### AVX SCHOTTKY DIODE CURRENTS BY CASE SIZE

| Size |                | Max Forward Current |     |     |     |    |    |    |    |    |
|------|----------------|---------------------|-----|-----|-----|----|----|----|----|----|
| EIAJ | JEDEC          | .1A                 | .2A | .3A | .5A | 1A | 2A | 3A | 5A | 8A |
| 0603 | SOD-523        | ●                   | ●   | ●   |     |    |    |    |    |    |
| 0805 | SOD-323        | ●                   | ●   | ●   | ●   | ●  |    |    |    |    |
| 1206 | SOD-123        |                     |     |     | ●   | ●  | ●  | ●  |    |    |
| 2010 | SMA (D0-214AC) |                     |     |     |     | ●  | ●  | ●  | ●  |    |
| 2114 | SMB (D0-214AA) |                     |     |     |     |    |    | ●  | ●  | ●  |
| 3220 | SMC (D0-214AB) |                     |     |     |     |    |    | ●  | ●  |    |

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## Lead-less Chip Form



### ELECTRICAL CHARACTERISTICS

| AVX PN         | Size | Max Reverse Voltage | Max Forward Current | Max Peak Forward Surge Current | Reverse Current $I_{RRM}$ |      | Forward Voltage $V_f$ |      |      | Rth JA | Rth JL | Cj  |
|----------------|------|---------------------|---------------------|--------------------------------|---------------------------|------|-----------------------|------|------|--------|--------|-----|
|                |      | $V_{RRM}$           | $I_F$               | $I_{FSM}$                      | Typ                       | Max  | $I_F$                 | Min  | Max  |        |        |     |
|                |      | V                   | A                   | A                              | mA                        | mA   | A                     | V    | V    |        |        |     |
| SD3220S020S3R0 | 3220 | 20                  | 3                   | 100                            | 0.025                     | 0.5  | 3                     | 0.47 | 0.50 | 55     | 17     | 180 |
| SD3220S040S3R0 | 3220 | 40                  | 3                   | 100                            | 0.025                     | 0.5  | 3                     | 0.47 | 0.50 | 55     | 17     | 180 |
| SD3220S060S3R0 | 3220 | 60                  | 3                   | 100                            | 0.025                     | 0.5  | 3                     | 0.65 | 0.70 | 55     | 17     | 180 |
| SD3220S100S3R0 | 3220 | 100                 | 3                   | 100                            | 0.025                     | 0.5  | 3                     | 0.78 | 0.85 | 55     | 17     | 180 |
| SD3220S020S5R0 | 3220 | 20                  | 5                   | 130                            | 0.045                     | 0.5  | 5                     | 0.52 | 0.55 | 55     | 17     | 180 |
| SD3220S040S5R0 | 3220 | 40                  | 5                   | 130                            | 0.045                     | 0.5  | 5                     | 0.52 | 0.55 | 55     | 17     | 180 |
| SD3220S060S5R0 | 3220 | 60                  | 5                   | 130                            | 0.045                     | 0.5  | 5                     | 0.65 | 0.70 | 55     | 17     | 180 |
| SD3220S100S5R0 | 3220 | 100                 | 5                   | 130                            | 0.045                     | 0.5  | 5                     | 0.79 | 0.85 | 55     | 17     | 180 |
| SD2114S020S3R0 | 2114 | 20                  | 3                   | 80                             | 0.04                      | 0.5  | 3                     | 0.48 | 0.50 | 55     | 17     | 180 |
| SD2114S040S3R0 | 2114 | 40                  | 3                   | 80                             | 0.04                      | 0.5  | 3                     | 0.48 | 0.50 | 55     | 17     | 180 |
| SD2114S060S3R0 | 2114 | 60                  | 3                   | 80                             | 0.04                      | 0.5  | 3                     | 0.65 | 0.70 | 55     | 17     | 180 |
| SD2114S100S3R0 | 2114 | 100                 | 3                   | 80                             | 0.04                      | 0.5  | 3                     | 0.78 | 0.85 | 55     | 17     | 180 |
| SD2114S020S5R0 | 2114 | 20                  | 5                   | 105                            | 0.045                     | 0.5  | 5                     | 0.5  | 0.55 | 55     | 17     | 250 |
| SD2114S040S5R0 | 2114 | 40                  | 5                   | 105                            | 0.045                     | 0.5  | 5                     | 0.5  | 0.55 | 55     | 17     | 250 |
| SD2114S060S5R0 | 2114 | 60                  | 5                   | 105                            | 0.045                     | 0.5  | 5                     | 0.65 | 0.70 | 55     | 17     | 250 |
| SD2114S100S5R0 | 2114 | 100                 | 5                   | 105                            | 0.045                     | 0.5  | 5                     | 0.79 | 0.85 | 55     | 17     | 250 |
| SD2114S040S8R0 | 2114 | 40                  | 8                   | 135                            | 0.045                     | 0.5  | 8                     | 0.53 | 0.55 | 55     | 17     | 450 |
| SD2010S020S1R0 | 2010 | 20                  | 1                   | 30                             | 0.02                      | 0.2  | 1                     | 0.47 | 0.50 | 88     | 28     | 110 |
| SD2010S040S1R0 | 2010 | 40                  | 1                   | 30                             | 0.02                      | 0.2  | 1                     | 0.47 | 0.50 | 88     | 28     | 110 |
| SD2010S060S1R0 | 2010 | 60                  | 1                   | 30                             | 0.02                      | 0.2  | 1                     | 0.6  | 0.70 | 88     | 28     | 110 |
| SD2010S100S1R0 | 2010 | 100                 | 1                   | 30                             | 0.02                      | 0.2  | 1                     | 0.76 | 0.85 | 88     | 28     | 110 |
| SD2010S150S1R0 | 2010 | 150                 | 1                   | 30                             | 0.001                     | 0.05 | 1                     | 0.83 | 0.88 | 88     | 28     | 110 |
| SD2010S200S1R0 | 2010 | 200                 | 1                   | 30                             | 0.001                     | 0.05 | 1                     | 0.86 | 0.90 | 88     | 28     | 110 |
| SD2010S020S2R0 | 2010 | 20                  | 2                   | 50                             | 0.025                     | 0.2  | 2                     | 0.49 | 0.50 | 75     | 17     | 115 |
| SD2010S040S2R0 | 2010 | 40                  | 2                   | 50                             | 0.025                     | 0.2  | 2                     | 0.49 | 0.50 | 75     | 17     | 115 |
| SD2010S060S2R0 | 2010 | 60                  | 2                   | 50                             | 0.025                     | 0.2  | 2                     | 0.6  | 0.70 | 75     | 17     | 115 |
| SD2010S100S2R0 | 2010 | 100                 | 2                   | 50                             | 0.025                     | 0.2  | 2                     | 0.75 | 0.85 | 75     | 17     | 115 |
| SD2010S150S2R0 | 2010 | 150                 | 2                   | 50                             | 0.001                     | 0.2  | 2                     | 0.83 | 0.88 | 88     | 28     | 110 |
| SD2010S200S2R0 | 2010 | 200                 | 2                   | 50                             | 0.001                     | 0.2  | 2                     | 0.86 | 0.90 | 88     | 28     | 110 |
| SD2010S020S3R0 | 2010 | 20                  | 3                   | 80                             | 0.02                      | 0.2  | 3                     | 0.46 | 0.50 | 86     | 24     | 120 |
| SD2010S040S3R0 | 2010 | 40                  | 3                   | 80                             | 0.02                      | 0.2  | 3                     | 0.46 | 0.50 | 86     | 24     | 120 |
| SD2010S060S3R0 | 2010 | 60                  | 3                   | 80                             | 0.02                      | 0.2  | 3                     | 0.58 | 0.70 | 86     | 24     | 120 |
| SD2010S100S3R0 | 2010 | 100                 | 3                   | 80                             | 0.02                      | 0.2  | 3                     | 0.75 | 0.85 | 86     | 24     | 120 |
| SD2010S150S3R0 | 2010 | 150                 | 3                   | 80                             | 0.001                     | 0.05 | 3                     | 0.83 | 0.88 | 88     | 28     | 110 |
| SD2010S200S3R0 | 2010 | 200                 | 3                   | 80                             | 0.001                     | 0.05 | 3                     | 0.86 | 0.90 | 88     | 28     | 110 |
| SD2010S030S5R0 | 2010 | 30                  | 5                   | 80                             |                           | 0.2  | 3                     | 0.42 | 0.44 | 55     | 17     | 210 |
| SD2010S020L1R0 | 2010 | 20                  | 1                   | 30                             | 0.35                      | 1.0  | 1                     | 0.37 | 0.38 | 55     | 17     | 115 |
| SD2010S040L1R0 | 2010 | 40                  | 1                   | 30                             | 0.35                      | 1.0  | 1                     | 0.37 | 0.38 | 55     | 17     | 115 |
| SD2010S020L2R0 | 2010 | 20                  | 2                   | 50                             | 0.28                      | 1.0  | 2                     | 0.39 | 0.40 | 70     | 17     | 115 |
| SD2010S040L2R0 | 2010 | 40                  | 2                   | 50                             | 0.28                      | 1.0  | 2                     | 0.39 | 0.40 | 70     | 17     | 115 |
| SD2010S020L3R0 | 2010 | 20                  | 3                   | 80                             | 0.55                      | 1.0  | 3                     | 0.39 | 0.42 | 55     | 17     | 120 |
| SD2010S040L3R0 | 2010 | 40                  | 3                   | 80                             | 0.55                      | 1.0  | 3                     | 0.39 | 0.42 | 55     | 17     | 120 |
| SD2010S030L3R0 | 2010 | 30                  | 3                   | 70                             | 0.08                      | 0.2  | 3                     | 0.42 | 0.44 | 55     | 17     | 120 |
| SD1206S020S0R5 | 1206 | 20                  | 0.5                 | 15                             | 0.01                      | 0.05 | 0.5                   | 0.4  | 0.42 | 88     | 28     | 120 |
| SD1206S040S0R5 | 1206 | 40                  | 0.5                 | 15                             | 0.01                      | 0.05 | 0.5                   | 0.45 | 0.48 | 88     | 28     | 120 |
| SD1206S020S1R0 | 1206 | 20                  | 1.0                 | 20                             | 0.015                     | 0.2  | 1.0                   | 0.46 | 0.50 | 88     | 28     | 110 |
| SD1206S040S1R0 | 1206 | 40                  | 1.0                 | 20                             | 0.015                     | 0.2  | 1.0                   | 0.46 | 0.50 | 88     | 28     | 110 |
| SD1206S060S1R0 | 1206 | 60                  | 1.0                 | 20                             | 0.015                     | 0.2  | 1.0                   | 0.62 | 0.70 | 88     | 28     | 110 |
| SD1206S100S1R0 | 1206 | 100                 | 1.0                 | 20                             | 0.015                     | 0.2  | 1.0                   | 0.76 | 0.85 | 88     | 28     | 110 |
| SD1206S020S2R0 | 1206 | 20                  | 2.0                 | 40                             | 0.03                      | 0.2  | 2.0                   | 0.47 | 0.50 | 75     | 17     | 115 |
| SD1206S040S2R0 | 1206 | 40                  | 2.0                 | 40                             | 0.03                      | 0.2  | 2.0                   | 0.47 | 0.50 | 75     | 17     | 115 |
| SD1206S060S2R0 | 1206 | 60                  | 2.0                 | 40                             | 0.03                      | 0.2  | 2.0                   | 0.58 | 0.70 | 75     | 17     | 115 |
| SD1206S100S2R0 | 1206 | 100                 | 2.0                 | 40                             | 0.03                      | 0.2  | 2.0                   | 0.75 | 0.85 | 75     | 17     | 115 |
| SD1206S020L1R0 | 1206 | 20                  | 1.0                 | 25                             | 0.3                       | 1.0  | 1.0                   | 0.37 | 0.38 | 88     | 28     | 115 |
| SD1206S040L1R0 | 1206 | 40                  | 1.0                 | 25                             | 0.3                       | 1.0  | 1.0                   | 0.37 | 0.38 | 88     | 28     | 115 |
| SD1206S020L2R0 | 1206 | 20                  | 2.0                 | 40                             | 0.28                      | 1.0  | 2.0                   | 0.39 | 0.40 | 70     | 22     | 115 |

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## Lead-less Chip Form



| AVX PN         | Size | Max Reverse Voltage | Max Forward Current | Max Peak Forward Surge Current | Reverse Current $I_{RRM}$ |        | Forward Voltage $V_f$ |      |      | Rth JA | Rth JL | Cj  |
|----------------|------|---------------------|---------------------|--------------------------------|---------------------------|--------|-----------------------|------|------|--------|--------|-----|
|                |      | $V_{RRM}$           | $I_F$               | $I_{FSM}$                      | Typ                       | Max    | $I_F$                 | Min  | Max  |        |        |     |
|                |      | V                   | A                   | A                              | mA                        | mA     | A                     | V    | V    |        |        |     |
| SD1206S040L2R0 | 1206 | 40                  | 2.0                 | 40                             | 0.28                      | 1.0    | 2.0                   | 0.39 | 0.40 | 70     | 22     | 115 |
| SD1206T020S0R5 | 1206 | 20                  | 0.5                 | 15                             | 0.01                      | 0.05   | 0.5                   | 0.4  | 0.42 | 88     | 28     | 120 |
| SD1206T040S0R5 | 1206 | 40                  | 0.5                 | 15                             | 0.01                      | 0.05   | 0.5                   | 0.45 | 0.48 | 88     | 28     | 120 |
| SD1206T060S0R5 | 1206 | 60                  | 0.5                 | 15                             | 0.01                      | 0.05   | 0.5                   | 0.48 | 0.55 | 88     | 28     | 120 |
| SD1206T020S1R0 | 1206 | 20                  | 1.0                 | 20                             | 0.015                     | 0.2    | 1.0                   | 0.46 | 0.50 | 88     | 28     | 110 |
| SD1206T040S1R0 | 1206 | 40                  | 1.0                 | 20                             | 0.015                     | 0.2    | 1.0                   | 0.46 | 0.50 | 88     | 28     | 110 |
| SD1206T060S1R0 | 1206 | 60                  | 1.0                 | 20                             | 0.015                     | 0.2    | 1.0                   | 0.62 | 0.70 | 88     | 28     | 110 |
| SD1206T100S1R0 | 1206 | 100                 | 1.0                 | 20                             | 0.015                     | 0.2    | 1.0                   | 0.76 | 0.85 | 88     | 28     | 110 |
| SD1206T020S2R0 | 1206 | 20                  | 2.0                 | 40                             | 0.03                      | 0.2    | 2.0                   | 0.47 | 0.50 | 75     | 17     | 115 |
| SD1206T040S2R0 | 1206 | 40                  | 2.0                 | 40                             | 0.03                      | 0.2    | 2.0                   | 0.47 | 0.50 | 75     | 17     | 115 |
| SD1206T060S2R0 | 1206 | 60                  | 2.0                 | 40                             | 0.03                      | 0.2    | 2.0                   | 0.58 | 0.75 | 75     | 17     | 115 |
| SD1206T100S2R0 | 1206 | 100                 | 2.0                 | 40                             | 0.03                      | 0.2    | 2.0                   | 0.75 | 0.85 | 75     | 17     | 115 |
| SD1206T040S3R0 | 1206 | 40                  | 3.0                 | 40                             | 0.03                      | 0.2    | 3.0                   | 0.53 | 0.55 | 88     | 28     | 110 |
| SD1206T060S3R0 | 1206 | 60                  | 3.0                 | 40                             | 0.03                      | 0.2    | 3.0                   | 0.75 | 0.80 | 88     | 28     | 110 |
| SD1206T020L1R0 | 1206 | 20                  | 1.0                 | 25                             | 0.3                       | 1.0    | 1.0                   | 0.37 | 0.38 | 88     | 28     | 115 |
| SD1206T040L1R0 | 1206 | 40                  | 1.0                 | 25                             | 0.3                       | 1.0    | 1.0                   | 0.37 | 0.38 | 88     | 28     | 115 |
| SD0805S020S0R1 | 0805 | 20.0                | 0.1                 | 2.0                            | 0.004                     | 0.03   | 0.1                   | 0.38 | 0.45 | 160    | 110    | 18  |
| SD0805S040S0R1 | 0805 | 40.0                | 0.1                 | 2.0                            | 0.004                     | 0.03   | 0.1                   | 0.4  | 0.50 | 160    | 110    | 18  |
| SD0805S020S0R2 | 0805 | 20.0                | 0.2                 | 2.0                            | 0.008                     | 0.05   | 0.2                   | 0.42 | 0.45 | 160    | 110    | 15  |
| SD0805S040S0R2 | 0805 | 40.0                | 0.2                 | 2.0                            | 0.008                     | 0.05   | 0.2                   | 0.45 | 0.50 | 160    | 110    | 15  |
| SD0805S020S0R3 | 0805 | 20.0                | 0.3                 | 2.0                            | 0.008                     | 0.05   | 0.3                   | 0.47 | 0.50 | 160    | 110    | 30  |
| SD0805S040S0R3 | 0805 | 40.0                | 0.3                 | 2.0                            | 0.008                     | 0.05   | 0.3                   | 0.47 | 0.50 | 160    | 110    | 30  |
| SD0805S020S0R5 | 0805 | 20.0                | 0.5                 | 5.0                            | 0.015                     | 0.1    | 0.5                   | 0.4  | 0.44 | 120    | 28     | 28  |
| SD0805S030S0R5 | 0805 | 30.0                | 0.5                 | 5.0                            | 0.015                     | 0.1    | 0.5                   | 0.4  | 0.46 | 120    | 28     | 28  |
| SD0805S040S0R5 | 0805 | 40.0                | 0.5                 | 5.0                            | 0.015                     | 0.1    | 0.5                   | 0.4  | 0.48 | 120    | 28     | 28  |
| SD0805S020S1R0 | 0805 | 20.0                | 1.0                 | 10.0                           | 0.028                     | 0.2    | 1.0                   | 0.42 | 0.45 | 120    | 28     | 115 |
| SD0805S040S1R0 | 0805 | 40.0                | 1.0                 | 10.0                           | 0.008                     | 0.05   | 1.0                   | 0.49 | 0.55 | 88     | 28     | 110 |
| SD0805S060S1R0 | 0805 | 60.0                | 1.0                 | 10.0                           | 0.028                     | 0.2    | 1.0                   | 0.62 | 0.65 | 120    | 28     | 115 |
| SD0805S020L1R0 | 0805 | 20.0                | 1.0                 | 10.0                           | 0.3                       | 1.0    | 1.0                   | 0.37 | 0.38 | 88     | 28     | 115 |
| SD0805S040L1R0 | 0805 | 40.0                | 1.0                 | 10.0                           | 0.3                       | 1.0    | 1.0                   | 0.37 | 0.38 | 88     | 28     | 115 |
| SD0603S020S0R1 | 0603 | 20                  | 0.1                 | 2                              | 0.008                     | 0.05   | 0.100                 | 0.38 | 0.40 | 160    | 110    | 30  |
| SD0603S040S0R1 | 0603 | 40                  | 0.1                 | 2                              | 0.008                     | 0.05   | 0.100                 | 0.38 | 0.40 | 160    | 110    | 30  |
| SD0603S020S0R2 | 0603 | 20                  | 0.2                 | 2                              | 0.008                     | 0.05   | 0.200                 | 0.43 | 0.45 | 160    | 110    | 35  |
| SD0603S040S0R2 | 0603 | 40                  | 0.2                 | 2                              | 0.0005                    | 0.0010 | 0.200                 | 0.43 | 0.45 | 160    | 110    | 35  |
| SD0603S020S0R3 | 0603 | 20                  | 0.3                 | 2                              | 0.008                     | 0.05   | 0.300                 | 0.47 | 0.50 | 160    | 110    | 35  |
| SD0603S040S0R3 | 0603 | 40                  | 0.3                 | 2                              | 0.008                     | 0.05   | 0.300                 | 0.47 | 0.50 | 160    | 110    | 35  |

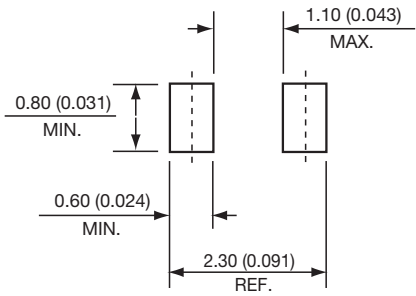
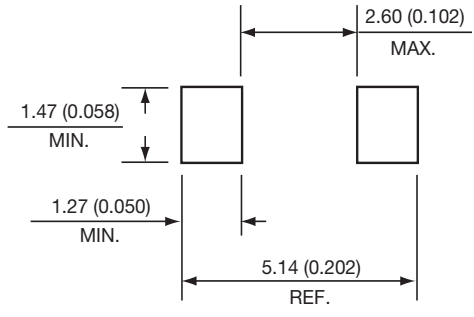
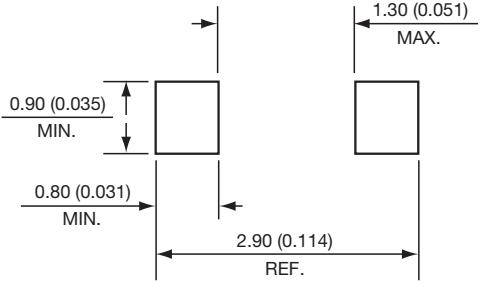
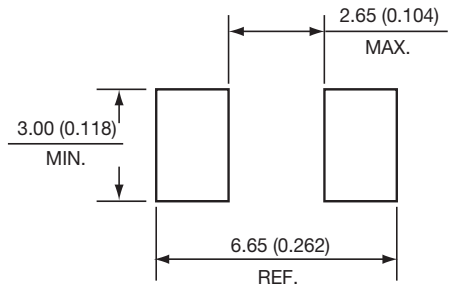
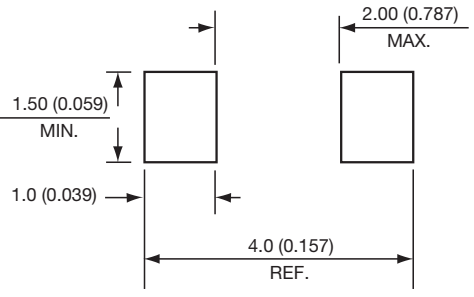
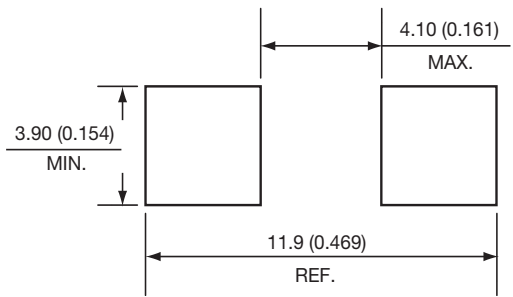
# Schottky Barrier Rectifier Diode



## Lead-less Chip Form

### PAD LAYOUT

mm (inches)

|                                                                                                                     |                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>0603</b><br>                    | <b>2010</b><br>   |
| <b>0805</b><br>                   | <b>2114</b><br>  |
| <b>1206</b><br><b>1206-T</b><br> | <b>3220</b><br> |



# Schottky Barrier Rectifier Diode

## Lead-less Chip Form



### CASE DRAWINGS

mm (inches)

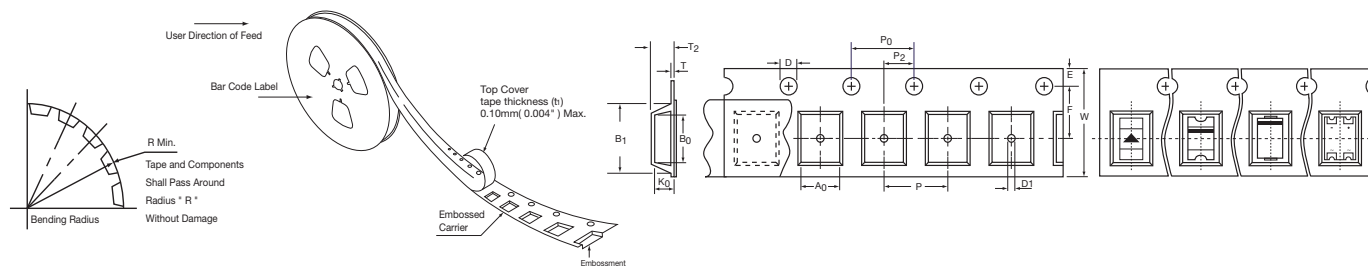
|                                                                                                           |                                          |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------|
| <p><b>0603</b></p> <p>SOD-523</p>                                                                         | <p><b>2010</b></p> <p>SMA (DO-214AC)</p> |
| <p><b>0805</b></p> <p>SOD-323</p>                                                                         | <p><b>2114</b></p> <p>SMB (DO-214AA)</p> |
| <p><b>1206</b></p> <p>SOD-123</p>                                                                         | <p><b>3220</b></p> <p>SMC (DO-214AB)</p> |
| <p><b>1206-T</b></p> <p>SOD-123</p> <p>*0.93 ± 0.05 (0.037 ± 0.002)<br/>**0.96 ± 0.20 (0.038 ± 0.008)</p> |                                          |

# Schottky Barrier Rectifier Diode

## Lead-less Chip Form



### CARRIER TAPE



### EMBOSSED TAPE

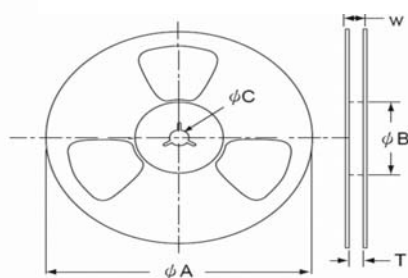
| mm (inches) |                                |                               |                              |                |                |                |                              |
|-------------|--------------------------------|-------------------------------|------------------------------|----------------|----------------|----------------|------------------------------|
| Tape Size   | D                              | E                             | P <sub>0</sub>               | A <sub>0</sub> | B <sub>0</sub> | K <sub>0</sub> | T max                        |
| 8, 12 mm    | 1.50 ± 0.1<br>(0.059 ± 0.004)  | 1.75 ± 0.1<br>(0.069 ± 0.004) | 4.0 ± 0.1<br>(0.157 ± 0.004) | See Note 1     |                |                | 0.4                          |
| 16 mm       | 1.55 ± 0.05<br>(0.061 ± 0.002) | 1.75 ± 0.1<br>(0.069 ± 0.004) | 4.0 ± 0.1<br>(0.157 ± 0.004) |                |                |                | -0.016                       |
|             |                                |                               |                              |                |                |                | 2.0 ± 0.1<br>(0.079 ± 0.002) |

| Product Size | Tape Size | B <sub>1</sub>          | D <sub>1</sub>                 | F                              | P                              | W                               | T <sub>2</sub>                 | R Min        |
|--------------|-----------|-------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|--------------|
| 0603         | 8mm       | 2.0 max<br>(0.079 max)  | 0.80 ± 0.05<br>(0.031 ± 0.002) | 3.50 ± 0.05<br>(0.138 ± 0.002) | 4.00 ± 0.10<br>(0.157 ± 0.004) | 8.00 ± 0.30<br>(0.315 ± 0.012)  | 1.00 ± 0.10<br>(0.039 ± 0.004) | 25<br>-0.98  |
| 0805         |           |                         |                                |                                |                                |                                 | 1.22 ± 0.10<br>(0.048 ± 0.004) |              |
| 1206         | 12mm      | 8.2 max<br>(0.323 max)  | 1.50 min.<br>(0.059 min.)      | 5.50 ± 0.05<br>(0.217 ± 0.002) | 8.00 ± 0.10<br>(0.315 ± 0.004) | 12.00 ± 0.30<br>(0.472 ± 0.012) | 1.75 ± 0.1<br>(0.069 ± 0.004)  | 30<br>-1.181 |
| 1206-S       |           |                         |                                |                                |                                |                                 | 1.40 ± 0.1<br>(0.055 ± 0.004)  |              |
| 2010         |           |                         |                                |                                |                                |                                 | 1.51 ± 0.10<br>(0.059 ± 0.004) |              |
| 2114         |           |                         |                                |                                |                                |                                 | 1.65 ± 0.10<br>(0.065 ± 0.004) |              |
| 3220         | 16mm      | 12.1 max<br>(0.476 max) |                                | 7.50 ± 0.10<br>(0.295 ± 0.004) |                                | 16.00 ± 0.30<br>(0.630 ± 0.012) | 2.50 max<br>(0.098 max)        | 40<br>-1.575 |

#### NOTES:

- A<sub>0</sub>, B<sub>0</sub>, and K<sub>0</sub> are determined by component size. The clearance between the components and the cavity must be within 0.05 mm (0.002") Min. to 0.50 mm (0.02") Max. for 8mm tape, and 0.15mm (0.066") Min. to 0.90 mm (0.035") Max. 12 mm tape.
- All surface mount components are packed in accordance with EIA standard 481-1 and 481-2

### REEL DIMENSIONS



| mm (inches) |           |                              |                       |                               |                         |                         |
|-------------|-----------|------------------------------|-----------------------|-------------------------------|-------------------------|-------------------------|
| Symbol      | Tape Size | φA                           | φB                    | φC                            | W                       | T                       |
| 0603        | 8         | 178 ± 2.0                    | 60 ± 0.5              | 13.5 ± 0.5                    | 12.0 ± 0.5              | 9.0 ± 0.5               |
| 0805        | -0.315    | (7.008 ± 0.079)              | (2.362 ± 0.020)       | (0.532 ± 0.020)               | (0.472 ± 0.020)         | (0.354 ± 0.020)         |
| 1206        | 12        | 178 ± 2.0<br>(7.008 ± 0.079) | 50 min<br>(1.969 min) | 13.0 ± 0.5<br>(0.512 ± 0.020) | 18.7 max<br>(0.736 max) | 14.4 max<br>(0.567 max) |
| 1206-T      |           |                              |                       |                               |                         |                         |
| 2010        |           |                              |                       |                               |                         |                         |
| 2114        |           |                              |                       |                               |                         |                         |
| 3220        | 16        | 330 ± 2.0<br>(12.99 ± 0.079) |                       |                               | 22.7 max<br>(0.893 max) | 18.4 max<br>(0.724 max) |
|             | -0.63     |                              |                       |                               |                         |                         |

### QUANTITIES

| Size   | Reel Size | Qty/Reel |
|--------|-----------|----------|
| 0603   | 7"        | 3,000    |
| 0805   |           |          |
| 1206   | 7"        | 3,000    |
| 1206-T |           |          |
| 2010   |           |          |
| 2114   | 13"       | 5,000    |
| 3220   | 13"       | 3,000    |



**Стандарт  
Электрон  
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

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Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

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