

## Solid Tantalum Surface Mount Capacitors

### TANTAMOUNT® Molded Case, Low ESR


**FEATURES**

- Terminations: 100 % matte tin, standard tin/lead available
- Molded case available in six case codes
- Compatible with "High Volume" automatic pick and place equipment
- High Ripple Current carrying capability
- Low ESR
- Meets EIA 535BAAE and IEC Specification QC300801/US0001
- Compliant Terminations
- 100 % Surge Current Tested (B, C, D and E Case Sizes)


**RoHS\***  
 COMPLIANT

**PERFORMANCE/ELECTRICAL CHARACTERISTICS**
**Operating Temperature:** - 55 °C to + 125 °C

**Note:** Refer to doc. 40088

**Capacitance Range:** 0.47 µF to 1000 µF

**Capacitance Tolerance:** ± 10 %, ± 20 %

**Voltage Rating:** 4 VDC to 50 VDC

| TR3  | D                                 | 107  | K                        | 010  | C  | 0100                                       |
|------|-----------------------------------|--|--------------------------|--|--|--|
| TYPE | CASE CODE                         | CAPACITANCE  | CAPACITANCE TOLERANCE    | DC VOLTAGE RATING at +85 °C  | TERMINATION AND PACKAGING  | ESR  |
|      | See Ratings and Case Codes Table. | This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow. | K = ± 10 %<br>M = ± 20 % | This is expressed in V. To complete the three-digit block, zeros precede the voltage rating. A decimal point is indicated by an "R" (6R3 = 6.3 V). | C = Matte Tin/7" (178 mm) reels<br>D = Matte Tin/13" (330 mm) reels<br>E = Tin/Lead/7" (178 mm) reels<br>F = Tin/Lead/13" (330 mm) reels | Maximum 100 kHz ESR in mΩ. See note below. |

**Note:**

We reserve the right to supply higher voltage ratings and tighter capacitance tolerance capacitors in the same case size.

Voltage substitutions will be marked with the higher voltage rating.

The EIA and CECC standards for low ESR solid tantalum chip capacitors, allow delta ESR of 1.25 times the data sheet limit after mounting.

| <b>DIMENSIONS</b> in inches [millimeters] |          |                               |                               |                               |                                |                               |                     |
|---|----------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|---------------------|
|   |          |                               |                               |                               |                                |                               |                     |
| CASE CODE                                 | EIA SIZE | L                             | W                             | H                             | P                              | T <sub>W</sub>                | T <sub>H</sub> MIN. |
| A   | 3216-18  | 0.126 ± 0.008<br>[3.2 ± 0.20] | 0.063 ± 0.008<br>[1.6 ± 0.20] | 0.063 ± 0.008<br>[1.6 ± 0.20] | 0.031 ± 0.012<br>[0.80 ± 0.30] | 0.047 ± 0.004<br>[1.2 ± 0.10] | 0.028<br>[0.70]     |
| B   | 3528-21  | 0.138 ± 0.008<br>[3.5 ± 0.20] | 0.110 ± 0.008<br>[2.8 ± 0.20] | 0.075 ± 0.008<br>[1.9 ± 0.20] | 0.031 ± 0.012<br>[0.80 ± 0.30] | 0.087 ± 0.004<br>[2.2 ± 0.10] | 0.028<br>[0.70]     |
| C   | 6032-28  | 0.236 ± 0.012<br>[6.0 ± 0.30] | 0.126 ± 0.012<br>[3.2 ± 0.30] | 0.098 ± 0.012<br>[2.5 ± 0.30] | 0.051 ± 0.012<br>[1.3 ± 0.30]  | 0.087 ± 0.004<br>[2.2 ± 0.10] | 0.039<br>[1.0]      |
| D   | 7343-31  | 0.287 ± 0.012<br>[7.3 ± 0.30] | 0.170 ± 0.012<br>[4.3 ± 0.30] | 0.110 ± 0.012<br>[2.8 ± 0.30] | 0.051 ± 0.012<br>[1.3 ± 0.30]  | 0.095 ± 0.004<br>[2.4 ± 0.10] | 0.039<br>[1.0]      |
| E   | 7343-43  | 0.287 ± 0.012<br>[7.3 ± 0.30] | 0.170 ± 0.012<br>[4.3 ± 0.30] | 0.158 ± 0.012<br>[4.0 ± 0.30] | 0.051 ± 0.012<br>[1.3 ± 0.30]  | 0.095 ± 0.004<br>[2.4 ± 0.10] | 0.039<br>[1.0]      |
| V   | 7343-20  | 0.287 ± 0.012<br>[7.3 ± 0.30] | 0.170 ± 0.012<br>[4.3 ± 0.30] | 0.079 max.<br>[2.0 max.]      | 0.051 ± 0.012<br>[1.3 ± 0.30]  | 0.095 ± 0.004<br>[2.4 ± 0.10] | 0.039<br>[1.0]      |

\* Pb containing terminations are not RoHS compliant, exemptions may apply

| RATINGS AND CASE CODES |       |         |           |       |       |       |      |       |
|------------------------|-------|---------|-----------|-------|-------|-------|------|-------|
| μF                     | 4 V   | 6.3 V   | 10 V      | 16 V  | 20 V  | 25 V  | 35 V | 50 V  |
| 0.47                   |       |         |           |       |       |       | A    |       |
| 0.68                   |       |         |           |       |       |       | A    |       |
| 1.0                    |       |         |           |       | A     | A     | A/B  | B/C   |
| 1.5                    |       |         |           |       |       | A     | B/C  | C     |
| 2.2                    |       |         | A         | A     | A     | A/B   | B/C  | B/C/D |
| 3.3                    |       |         |           | A     | A     | A/B   | C    | C/D   |
| 4.7                    |       |         | A         | A/B   | A/B   | A/B/C | B/C  | C/D/E |
| 6.8                    |       |         | A         | A     | A/B   | B/C   | C/D  | D/E   |
| 10                     |       | A       | A/B       | A/B/C | B/C   | B/C/D | C/D  | D/E   |
| 15                     | A     | A       | A/B       | B/C   | B/C   | B/C/D | D/E  |       |
| 22                     | A     | A/B     | A/B/C     | B/C   | B/C/D | C/D/V | D/E  |       |
| 33                     | A/B   | A/B     | B/C       | B/C/D | C/D   | D/E   |      |       |
| 47                     | A/B   | A/B/C   | B/C/D     | C/D   | D/E   | D/E   |      |       |
| 68                     | B/C   | B/C/D   | B/C/D/E/V | D     | D/E   |       |      |       |
| 100                    | A/B/C | B/C/D/V | C/D/E/V   | D/E   | E     |       |      |       |
| 150                    | B/C/D | C/D/E   | D/E       | D/E   |       |       |      |       |
| 220                    | B/C/D | C/D/E   | D/E       | E     |       |       |      |       |
| 330                    | D     | D/E     | D/E       |       |       |       |      |       |
| 470                    | D/E   | D/E     | E         |       |       |       |      |       |
| 680                    | E     | E       |           |       |       |       |      |       |
| 1000                   | E     |         |           |       |       |       |      |       |

**Note:**  
\* Preliminary values, contact factory for availability.

| MARKING |                              |      |
|---------|------------------------------|------|
|         | <b>“A” CASE VOLTAGE CODE</b> |      |
|         | VOLTS                        | CODE |
|         | 4.0                          | G    |
|         | 6.3                          | J    |
|         | 10                           | A    |
|         | 16                           | C    |
|         | 20                           | D    |
|         | 25                           | E    |
|         | 35                           | V    |
|         | 50                           | T    |
|         |                              |      |

**Marking:**  
Capacitor marking includes an anode (+) polarity band, capacitance in microfarads and the voltage rating. “A” Case capacitors use a letter code for the voltage and EIA capacitance code.  
The Vishay Sprague® trademark is included if space permits. Capacitors rated at 6.3 V are marked 6 V.  
A manufacturing date code is marked on all capacitors.  
Call the factory for further explanation.



Solid Tantalum Surface Mount Capacitors  
TANTAMOUNT® Molded Case, Low ESR

Vishay Sprague

| RATINGS AND PART NUMBER REFERENCE            |           |                      |                                |                              |                                |  |
|--|-----------|----------------------|--------------------------------|------------------------------|--------------------------------|--|
| CAPACITANCE (µF)                             | CASE CODE | PART NUMBER          | MAX. DC LEAKAGE at+ 25 °C (µA) | MAX. DF at+ 25 °C 120 Hz (%) | MAX. ESR at+ 25 °C 100 kHz (Ω) | MAX. RIPPLE 100 kHz I <sub>rms</sub> (A) |
| <b>4 VDC at + 85 °C, 2.7 VDC at + 125 °C</b> |           |                      |                                |                              |                                |  |
| 15   | A         | TR3A156(1)004(2)1500 | 0.6                            | 6                            | 1.500                          | 0.22                                     |
| 22   | A         | TR3A226(1)004(2)1500 | 0.9                            | 6                            | 1.500                          | 0.22                                     |
| 33   | A         | TR3A336(1)004(2)1500 | 1.3                            | 6                            | 1.500                          | 0.22                                     |
| 33   | B         | TR3B336(1)004(2)0500 | 1.3                            | 6                            | 0.500                          | 0.41                                     |
| 47   | A         | TR3A476(1)004(2)0800 | 1.9                            | 14                           | 0.800                          | 0.31                                     |
| 47   | A         | TR3A476(1)004(2)0500 | 1.9                            | 14                           | 0.500                          | 0.39                                     |
| 47   | B         | TR3B476(1)004(2)0500 | 1.9                            | 6                            | 0.500                          | 0.41                                     |
| 68   | B         | TR3B686(1)004(2)0500 | 2.7                            | 6                            | 0.500                          | 0.41                                     |
| 68   | C         | TR3C686(1)004(2)0275 | 2.7                            | 6                            | 0.275                          | 0.63                                     |
| 100  | A         | TR3A107(1)004(2)1000 | 10.0                           | 30                           | 1.000                          | 0.27                                     |
| 100  | A         | TR3A107(1)004(2)0800 | 10.0                           | 30                           | 0.800                          | 0.31                                     |
| 100  | B         | TR3B107(1)004(2)0450 | 4.0                            | 6                            | 0.450                          | 0.43                                     |
| 100  | C         | TR3C107(1)004(2)0225 | 4.0                            | 6                            | 0.225                          | 0.66                                     |
| 150  | B         | TR3B157(1)004(2)0900 | 6.0                            | 14                           | 0.900                          | 0.31                                     |
| 150  | B         | TR3B157(1)004(2)0500 | 6.0                            | 14                           | 0.500                          | 0.41                                     |
| 150  | B         | TR3B157(1)004(2)0400 | 6.0                            | 14                           | 0.400                          | 0.46                                     |
| 150  | C         | TR3C157(1)004(2)0250 | 6.0                            | 8                            | 0.250                          | 0.66                                     |
| 150  | D         | TR3D157(1)004(2)0150 | 6.0                            | 8                            | 0.150                          | 1.00                                     |
| 220  | B         | TR3B227M004(2)1100   | 8.8                            | 18                           | 1.100                          | 0.28                                     |
| 220  | B         | TR3B227M004(2)0700   | 8.8                            | 18                           | 0.700                          | 0.35                                     |
| 220  | B         | TR3B227M004(2)0500   | 8.8                            | 18                           | 0.500                          | 0.41                                     |
| 220  | B         | TR3B227M004(2)0450   | 8.8                            | 18                           | 0.450                          | 0.43                                     |
| 220  | C         | TR3C227(1)004(2)0200 | 8.8                            | 8                            | 0.200                          | 0.74                                     |
| 220  | D         | TR3D227(1)004(2)0150 | 8.8                            | 8                            | 0.150                          | 1.00                                     |
| 330  | D         | TR3D337(1)004(2)0150 | 13.2                           | 8                            | 0.150                          | 1.00                                     |
| 470  | D         | TR3D477(1)004(2)0125 | 18.8                           | 10                           | 0.125                          | 1.10                                     |
| 470  | D         | TR3D477(1)004(2)0100 | 18.8                           | 10                           | 0.100                          | 1.22                                     |
| 470  | D         | TR3D477(1)004(2)0060 | 18.8                           | 10                           | 0.060                          | 1.58                                     |
| 470  | D         | TR3D477(1)004(2)0045 | 18.8                           | 10                           | 0.045                          | 1.83                                     |
| 470  | D         | TR3D477(1)004(2)0035 | 18.8                           | 10                           | 0.035                          | 2.07                                     |
| 470  | E         | TR3E477(1)004(2)0100 | 18.8                           | 10                           | 0.100                          | 1.28                                     |
| 680  | E         | TR3E687(1)004(2)0100 | 27.2                           | 12                           | 0.100                          | 1.28                                     |
| 1000   | E         | TR3E108M004(2)0100   | 40.0                           | 20                           | 0.100                          | 1.28                                     |
| <b>6.3 VDC at + 85 °C, 4 VDC at 125 °C</b>   |           |                      |                                |                              |                                |  |
| 10   | A         | TR3A106(1)6R3(2)2000 | 0.6                            | 6                            | 2.000                          | 0.19                                     |
| 10   | A         | TR3A106(1)6R3(2)1500 | 0.6                            | 6                            | 1.500                          | 0.22                                     |
| 15   | A         | TR3A156(1)6R3(2)2000 | 0.9                            | 6                            | 2.000                          | 0.19                                     |
| 15   | A         | TR3A156(1)6R3(2)1000 | 0.9                            | 6                            | 1.000                          | 0.27                                     |
| 22   | A         | TR3A226(1)6R3(2)3000 | 1.3                            | 6                            | 3.000                          | 0.16                                     |
| 22   | A         | TR3A226(1)6R3(2)2000 | 1.3                            | 6                            | 2.000                          | 0.19                                     |
| 22   | A         | TR3A226(1)6R3(2)1000 | 1.3                            | 6                            | 1.000                          | 0.27                                     |
| 22   | B         | TR3B226(1)6R3(2)0600 | 1.3                            | 6                            | 0.600                          | 0.38                                     |
| 33   | A         | TR3A336(1)6R3(2)2000 | 2.0                            | 14                           | 2.000                          | 0.19                                     |
| 33   | A         | TR3A336(1)6R3(2)0800 | 2.0                            | 14                           | 0.800                          | 0.31                                     |
| 33   | A         | TR3A336(1)6R3(2)0600 | 2.0                            | 14                           | 0.600                          | 0.35                                     |
| 33   | B         | TR3B336(1)6R3(2)0600 | 2.0                            | 6                            | 0.600                          | 0.38                                     |
| 33   | B         | TR3B336(1)6R3(2)0500 | 2.0                            | 6                            | 0.500                          | 0.41                                     |
| 47   | A         | TR3A476(1)6R3(2)0800 | 2.8                            | 12                           | 0.800                          | 0.31                                     |
| 47   | B         | TR3B476(1)6R3(2)0550 | 2.8                            | 6                            | 0.550                          | 0.39                                     |
| 47   | B         | TR3B476(1)6R3(2)0500 | 2.8                            | 6                            | 0.500                          | 0.41                                     |
| 47   | B         | TR3B476(1)6R3(2)0350 | 2.8                            | 6                            | 0.350                          | 0.49                                     |
| 47   | B         | TR3B476(1)6R3(2)0250 | 2.8                            | 6                            | 0.250                          | 0.58                                     |
| 47   | C         | TR3C476(1)6R3(2)0300 | 2.8                            | 6                            | 0.300                          | 0.61                                     |
| 47   | C         | TR3C476(1)6R3(2)0250 | 2.8                            | 6                            | 0.250                          | 0.66                                     |

Notes:

- (1) Capacitance Tolerance Codes: K, M
- (2) Terminations and Packaging Codes: C, D, E, F
- \* Preliminary values, contact factory for availability



| RATINGS AND PART NUMBER REFERENCE   |           |                      |   |                                       |  |  |
|-------------------------------------|-----------|----------------------|---|---------------------------------------|--|--|
| CAPACITANCE<br>( $\mu$ F)           | CASE CODE | PART NUMBER          | MAX. DC<br>LEAKAGE<br>at+ 25 °C<br>( $\mu$ A) | MAX. DF<br>at+ 25 °C<br>120 Hz<br>(%) | MAX. ESR<br>at+ 25 °C<br>100 kHz<br>( $\Omega$ ) | MAX. RIPPLE<br>100 kHz<br>$I_{rms}$<br>(A) |
| 6.3 VDC at + 85 °C, 4 VDC at 125 °C |           |                      |   |                                       |  |  |
| 68                                  | B         | TR3B686(1)6R3(2)0650 | 4.1   | 6                                     | 0.650  | 0.36                                       |
| 68                                  | B         | TR3B686(1)6R3(2)0550 | 4.1   | 6                                     | 0.550  | 0.39                                       |
| 68                                  | B         | TR3B686(1)6R3(2)0500 | 4.1   | 6                                     | 0.500  | 0.41                                       |
| 68                                  | B         | TR3B686(1)6R3(2)0350 | 4.1   | 6                                     | 0.350  | 0.49                                       |
| 68                                  | B         | TR3B686(1)6R3(2)0250 | 4.1   | 6                                     | 0.250  | 0.58                                       |
| 68                                  | C         | TR3C686(1)6R3(2)0275 | 4.1   | 6                                     | 0.275  | 0.63                                       |
| 68                                  | C         | TR3C686(1)6R3(2)0200 | 4.1   | 6                                     | 0.200  | 0.74                                       |
| 68                                  | D         | TR3D686(1)6R3(2)0200 | 4.1   | 6                                     | 0.200  | 0.87                                       |
| 68                                  | D         | TR3D686(1)6R3(2)0175 | 3.3   | 4                                     | 0.175  | 0.93                                       |
| 100                                 | B         | TR3B107(1)6R3(2)1500 | 6.0   | 15                                    | 1.500  | 0.24                                       |
| 100                                 | B         | TR3B107(1)6R3(2)0500 | 6.0   | 15                                    | 0.500  | 0.41                                       |
| 100                                 | B         | TR3B107(1)6R3(2)0400 | 6.0   | 15                                    | 0.400  | 0.46                                       |
| 100                                 | C         | TR3C107(1)6R3(2)0300 | 6.0   | 6                                     | 0.300  | 0.61                                       |
| 100                                 | C         | TR3C107(1)6R3(2)0250 | 6.0   | 6                                     | 0.250  | 0.66                                       |
| 100                                 | C         | TR3C107(1)6R3(2)0150 | 6.0   | 6                                     | 0.150  | 0.86                                       |
| 100                                 | C         | TR3C107(1)6R3(2)0125 | 6.0   | 6                                     | 0.125  | 0.94                                       |
| 100                                 | D         | TR3D107(1)6R3(2)0140 | 6.0   | 6                                     | 0.140  | 1.04                                       |
| 100                                 | D         | TR3D107(1)6R3(2)0150 | 6.0   | 6                                     | 0.150  | 1.00                                       |
| 100                                 | V         | TR3V107(1)6R3(2)0200 | 6.0   | 8                                     | 0.200  | 0.79                                       |
| 100                                 | V         | TR3V107(1)6R3(2)0150 | 6.0   | 8                                     | 0.150  | 0.91                                       |
| 150                                 | C         | TR3C157(1)6R3(2)0200 | 9.0   | 8                                     | 0.200  | 0.74                                       |
| 150                                 | C         | TR3C157(1)6R3(2)0300 | 9.0   | 8                                     | 0.300  | 0.61                                       |
| 150                                 | D         | TR3D157(1)6R3(2)0150 | 9.0   | 8                                     | 0.150  | 1.00                                       |
| 150                                 | D         | TR3D157(1)6R3(2)0125 | 9.0   | 8                                     | 0.125  | 1.10                                       |
| 150                                 | D         | TR3D157(1)6R3(2)0075 | 9.0   | 8                                     | 0.075  | 1.41                                       |
| 150                                 | D         | TR3D157(1)6R3(2)0070 | 9.0   | 8                                     | 0.070  | 1.46                                       |
| 150                                 | D         | TR3D157(1)6R3(2)0050 | 9.0   | 8                                     | 0.050  | 1.73                                       |
| 150                                 | E         | TR3E157(1)6R3(2)0100 | 9.0   | 8                                     | 0.100  | 1.28                                       |
| 220                                 | C         | TR3C227(1)6R3(2)0250 | 13.2  | 14                                    | 0.250  | 0.66                                       |
| 220                                 | C         | TR3C227(1)6R3(2)0225 | 13.2  | 14                                    | 0.225  | 0.70                                       |
| 220                                 | D         | TR3D227(1)6R3(2)0150 | 13.2  | 8                                     | 0.150  | 1.00                                       |
| 220                                 | C         | TR3C227(1)6R3(2)0300 | 13.2  | 14                                    | 0.300  | 0.61                                       |
| 220                                 | E         | TR3E227(1)6R3(2)0150 | 13.2  | 8                                     | 0.150  | 1.05                                       |
| 220                                 | D         | TR3D227(1)6R3(2)0100 | 13.2  | 8                                     | 0.100  | 1.22                                       |
| 220                                 | D         | TR3D227(1)6R3(2)0050 | 13.2  | 8                                     | 0.050  | 1.73                                       |
| 220                                 | E         | TR3E227(1)6R3(2)0100 | 13.2  | 8                                     | 0.100  | 1.28                                       |
| 330                                 | D         | TR3D337(1)6R3(2)0150 | 19.8  | 8                                     | 0.150  | 1.00                                       |
| 330                                 | D         | TR3D337(1)6R3(2)0125 | 19.8  | 8                                     | 0.125  | 1.10                                       |
| 330                                 | D         | TR3D337(1)6R3(2)0100 | 19.8  | 8                                     | 0.100  | 1.22                                       |
| 330                                 | D         | TR3D337(1)6R3(2)0060 | 19.8  | 8                                     | 0.060  | 1.58                                       |
| 330                                 | D         | TR3D337(1)6R3(2)0050 | 19.8  | 8                                     | 0.050  | 1.73                                       |
| 330                                 | D         | TR3D337(1)6R3(2)0045 | 19.8  | 8                                     | 0.045  | 1.83                                       |
| 330                                 | D         | TR3D337(1)6R3(2)0035 | 19.8  | 8                                     | 0.035  | 2.07                                       |
| 330                                 | E         | TR3E337(1)6R3(2)0150 | 19.8  | 8                                     | 0.150  | 1.05                                       |
| 330                                 | E         | TR3E337(1)6R3(2)0100 | 19.8  | 8                                     | 0.100  | 1.28                                       |
| 470                                 | D         | TR3D477M6R3(2)0200   | 28.2  | 14                                    | 0.200  | 0.87                                       |
| 470                                 | D         | TR3D477M6R3(2)0150   | 28.2  | 14                                    | 0.150  | 1.00                                       |
| 470*                                | D         | TR3D477M6R3(2)0125   | 28.2  | 14                                    | 0.125  | 1.10                                       |
| 470*                                | D         | TR3D477M6R3(2)0100   | 28.2  | 14                                    | 0.100  | 1.22                                       |
| 470                                 | E         | TR3E477(1)6R3(2)0100 | 28.2  | 10                                    | 0.100  | 1.28                                       |
| 470                                 | E         | TR3E477(1)6R3(2)0065 | 28.2  | 10                                    | 0.065  | 1.59                                       |
| 470                                 | E         | TR3E477(1)6R3(2)0060 | 28.2  | 10                                    | 0.060  | 1.66                                       |
| 470                                 | E         | TR3E477(1)6R3(2)0050 | 28.2  | 10                                    | 0.050  | 1.82                                       |
| 680                                 | E         | TR3E687(1)6R3(2)0100 | 40.8  | 20                                    | 0.100  | 1.28                                       |

**Notes:**

- (1) Capacitance Tolerance Codes: K, M
- (2) Terminations and Packaging Codes: C, D, E, F
- \* Preliminary values, contact factory for availability



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TANTAMOUNT® Molded Case, Low ESR

Vishay Sprague

| RATINGS AND PART NUMBER REFERENCE  |           |                      |   |                                       |   |   |
|------------------------------------|-----------|----------------------|---|---------------------------------------|---|---|
| CAPACITANCE<br>(µF)                | CASE CODE | PART NUMBER          | MAX. DC<br>LEAKAGE<br>at+ 25 °C<br>(µA) | MAX. DF<br>at+ 25 °C<br>120 Hz<br>(%) | MAX. ESR<br>at+ 25 °C<br>100 kHz<br>(Ω) | MAX. RIPPLE<br>100 kHz<br>I <sub>rms</sub><br>(A) |
| 10 VDC at + 85 °C, 7 VDC at 125 °C |           |                      |   |                                       |   |   |
| 2.2                                | A         | TR3A225(1)010(2)6000 | 0.5                                     | 6                                     | 6.000                                   | 0.11  |
| 2.2                                | A         | TR3A225(1)010(2)1800 | 0.5                                     | 6                                     | 1.800                                   | 0.20  |
| 4.7                                | A         | TR3A475(1)010(2)3000 | 0.5                                     | 6                                     | 3.000                                   | 0.16  |
| 4.7                                | A         | TR3A475(1)010(2)1500 | 0.5                                     | 6                                     | 1.500                                   | 0.22  |
| 4.7                                | A         | TR3A475(1)010(2)1400 | 0.5                                     | 6                                     | 1.400                                   | 0.23  |
| 4.7                                | A         | TR3A475(1)010(2)1000 | 0.5                                     | 6                                     | 1.000                                   | 0.27  |
| 6.8                                | A         | TR3A685(1)010(2)3000 | 0.7                                     | 6                                     | 3.000                                   | 0.16  |
| 68                                 | D         | TR3D686(1)010(2)0200 | 6.8                                     | 6                                     | 0.200                                   | 0.87  |
| 10                                 | A         | TR3A106(1)010(2)2000 | 1.0                                     | 6                                     | 2.000                                   | 0.19  |
| 10                                 | A         | TR3A106(1)010(2)1800 | 1.0                                     | 6                                     | 1.800                                   | 0.20  |
| 10                                 | A         | TR3A106(1)010(2)1000 | 1.0                                     | 6                                     | 1.000                                   | 0.27  |
| 10                                 | A         | TR3A106(1)010(2)0900 | 1.0                                     | 6                                     | 0.900                                   | 0.29  |
| 10                                 | B         | TR3B106(1)010(2)0800 | 1.0                                     | 6                                     | 0.800                                   | 0.33  |
| 10                                 | B         | TR3B106(1)010(2)0750 | 1.0                                     | 6                                     | 0.750                                   | 0.34  |
| 15                                 | A         | TR3A156(1)010(2)2000 | 1.5                                     | 6                                     | 2.000                                   | 0.19  |
| 15                                 | A         | TR3A156(1)010(2)1000 | 1.5                                     | 6                                     | 1.000                                   | 0.27  |
| 15                                 | B         | TR3B156(1)010(2)0700 | 1.5                                     | 6                                     | 0.700                                   | 0.35  |
| 22                                 | A         | TR3A226(1)010(2)1500 | 2.2                                     | 8                                     | 1.500                                   | 0.22  |
| 22                                 | A         | TR3A226(1)010(2)1000 | 2.2                                     | 8                                     | 1.000                                   | 0.27  |
| 22                                 | A         | TR3A226(1)010(2)0900 | 2.2                                     | 8                                     | 0.900                                   | 0.29  |
| 22                                 | A         | TR3A226(1)010(2)0800 | 2.2                                     | 8                                     | 0.800                                   | 0.31  |
| 22                                 | B         | TR3B226(1)010(2)0700 | 2.2                                     | 6                                     | 0.700                                   | 0.35  |
| 22                                 | B         | TR3B226(1)010(2)0500 | 2.2                                     | 6                                     | 0.500                                   | 0.38  |
| 22                                 | B         | TR3B226(1)010(2)0400 | 2.2                                     | 6                                     | 0.400                                   | 0.46  |
| 22                                 | C         | TR3C226(1)010(2)0400 | 2.2                                     | 6                                     | 0.400                                   | 0.52  |
| 22                                 | C         | TR3C226(1)010(2)0345 | 2.2                                     | 6                                     | 0.345                                   | 0.56  |
| 33                                 | B         | TR3B336(1)010(2)1400 | 3.3                                     | 6                                     | 1.400                                   | 0.25  |
| 33                                 | B         | TR3B336(1)010(2)0650 | 3.3                                     | 6                                     | 0.650                                   | 0.36  |
| 33                                 | B         | TR3B336(1)010(2)0600 | 3.3                                     | 6                                     | 0.600                                   | 0.38  |
| 33                                 | C         | TR3C336(1)010(2)0375 | 3.3                                     | 6                                     | 0.375                                   | 0.54  |
| 33                                 | C         | TR3C336(1)010(2)0300 | 3.3                                     | 6                                     | 0.300                                   | 0.61  |
| 47                                 | B         | TR3B476(1)010(2)0650 | 4.7                                     | 6                                     | 0.650                                   | 0.36  |
| 47                                 | B         | TR3B476(1)010(2)0600 | 4.7                                     | 6                                     | 0.600                                   | 0.38  |
| 47                                 | B         | TR3B476(1)010(2)0500 | 4.7                                     | 6                                     | 0.500                                   | 0.41  |
| 47                                 | C         | TR3C476(1)010(2)0350 | 4.7                                     | 6                                     | 0.350                                   | 0.56  |
| 47                                 | C         | TR3C476(1)010(2)0300 | 4.7                                     | 6                                     | 0.300                                   | 0.61  |
| 47                                 | D         | TR3D476(1)010(2)0220 | 4.7                                     | 6                                     | 0.220                                   | 0.83  |
| 47                                 | D         | TR3D476(1)010(2)0200 | 4.7                                     | 6                                     | 0.200                                   | 0.87  |
| 47                                 | D         | TR3D476(1)010(2)0140 | 4.7                                     | 6                                     | 0.140                                   | 1.04  |
| 47                                 | D         | TR3D476(1)010(2)0100 | 4.7                                     | 6                                     | 0.100                                   | 1.22  |
| 68                                 | B         | TR3B686(1)010(2)1500 | 6.8                                     | 14                                    | 1.500                                   | 0.24  |
| 68                                 | B         | TR3B686(1)010(2)0900 | 6.8                                     | 14                                    | 0.900                                   | 0.31  |
| 68                                 | B         | TR3B686(1)010(2)0750 | 6.8                                     | 14                                    | 0.750                                   | 0.34  |
| 68                                 | B         | TR3B686(1)010(2)0600 | 6.8                                     | 14                                    | 0.600                                   | 0.38  |
| 68                                 | C         | TR3C686(1)010(2)0300 | 6.8                                     | 6                                     | 0.300                                   | 0.61  |
| 68                                 | C         | TR3C686(1)010(2)0275 | 6.8                                     | 6                                     | 0.275                                   | 0.63  |
| 68                                 | C         | TR3C686(1)010(2)0225 | 6.8                                     | 6                                     | 0.225                                   | 0.70  |
| 68                                 | D         | TR3D686(1)010(2)0200 | 6.8                                     | 6                                     | 0.200                                   | 0.87  |
| 68                                 | D         | TR3D686(1)010(2)0150 | 6.8                                     | 6                                     | 0.150                                   | 1.00  |
| 68                                 | D         | TR3D686(1)010(2)0100 | 6.8                                     | 6                                     | 0.100                                   | 1.22  |
| 68                                 | D         | TR3D686(1)010(2)0070 | 6.8                                     | 6                                     | 0.070                                   | 1.46  |
| 68                                 | E         | TR3E686(1)010(2)0150 | 5.4                                     | 4                                     | 0.150                                   | 1.05  |
| 68                                 | V         | TR3V686(1)010(2)0700 | 6.8                                     | 6                                     | 0.700                                   | 0.42  |
| 68                                 | V         | TR3V686(1)010(2)0300 | 6.8                                     | 6                                     | 0.300                                   | 0.65  |
| 68                                 | V         | TR3V686(1)010(2)0200 | 6.8                                     | 6                                     | 0.200                                   | 0.79  |
| 68                                 | V         | TR3V686(1)010(2)0140 | 6.8                                     | 6                                     | 0.140                                   | 0.94  |
| 68                                 | V         | TR3V686(1)010(2)0100 | 6.8                                     | 6                                     | 0.100                                   | 1.12  |

Notes:

- (1) Capacitance Tolerance Codes: K, M
- (2) Terminations and Packaging Codes: C, D, E, F
- \* Preliminary values, contact factory for availability



| RATINGS AND PART NUMBER REFERENCE            |           |                      |   |                                       |  |  |
|--|-----------|----------------------|---|---------------------------------------|--|--|
| CAPACITANCE<br>( $\mu$ F)                    | CASE CODE | PART NUMBER          | MAX. DC<br>LEAKAGE<br>at+ 25 °C<br>( $\mu$ A) | MAX. DF<br>at+ 25 °C<br>120 Hz<br>(%) | MAX. ESR<br>at+ 25 °C<br>100 kHz<br>( $\Omega$ ) | MAX. RIPPLE<br>100 kHz<br>$I_{rms}$<br>(A) |
| <b>10 VDC at + 85 °C, 7 VDC at 125 °C</b>    |           |                      |   |                                       |  |  |
| 100  | C         | TR3C107(1)010(2)0200 | 10.0  | 8                                     | 0.200  | 0.74                                       |
| 100  | C         | TR3C107(1)010(2)0150 | 10.0  | 8                                     | 0.150  | 0.86                                       |
| 100  | C         | TR3C107(1)010(2)0100 | 10.0  | 8                                     | 0.100  | 1.05                                       |
| 100  | D         | TR3D107(1)010(2)0150 | 10.0  | 6                                     | 0.150  | 1.00                                       |
| 100  | D         | TR3D107(1)010(2)0100 | 10.0  | 6                                     | 0.100  | 1.22                                       |
| 100  | D         | TR3D107(1)010(2)0080 | 10.0  | 6                                     | 0.080  | 1.37                                       |
| 100  | D         | TR3D107(1)010(2)0065 | 10.0  | 6                                     | 0.065  | 1.52                                       |
| 100  | D         | TR3D107(1)010(2)0050 | 10.0  | 6                                     | 0.050  | 1.73                                       |
| 100  | V         | TR3V107(1)010(2)0400 | 10.0  | 8                                     | 0.400  | 0.56                                       |
| 100  | V         | TR3V107(1)010(2)0200 | 10.0  | 8                                     | 0.200  | 0.79                                       |
| 100  | V         | TR3V107(1)010(2)0150 | 10.0  | 8                                     | 0.150  | 0.91                                       |
| 150  | D         | TR3D157(1)010(2)0100 | 15.0  | 8                                     | 0.100  | 1.22                                       |
| 150  | D         | TR3D157(1)010(2)0075 | 15.0  | 8                                     | 0.075  | 1.41                                       |
| 150  | D         | TR3D157(1)010(2)0050 | 15.0  | 8                                     | 0.050  | 1.73                                       |
| 100  | E         | TR3E107(1)010(2)0150 | 10.0  | 6                                     | 0.150  | 1.28                                       |
| 150  | D         | TR3D157(1)010(2)0150 | 15.0  | 8                                     | 0.150  | 1.00                                       |
| 150  | E         | TR3E157(1)010(2)0100 | 15.0  | 8                                     | 0.100  | 1.28                                       |
| 150  | E         | TR3E157(1)010(2)0080 | 15.0  | 8                                     | 0.080  | 1.44                                       |
| 220  | D         | TR3D227(1)010(2)0150 | 22.0  | 8                                     | 0.150  | 1.00                                       |
| 220  | D         | TR3D227(1)010(2)0125 | 22.0  | 8                                     | 0.125  | 1.10                                       |
| 220  | D         | TR3D227(1)010(2)0100 | 22.0  | 8                                     | 0.100  | 1.22                                       |
| 220  | D         | TR3D227(1)010(2)0050 | 22.0  | 8                                     | 0.050  | 1.73                                       |
| 220  | E         | TR3E227(1)010(2)0150 | 22.0  | 8                                     | 0.150  | 1.05                                       |
| 220  | E         | TR3E227(1)010(2)0100 | 22.0  | 8                                     | 0.100  | 1.28                                       |
| 330  | D         | TR3D337M010(2)0150   | 33.0  | 15                                    | 0.150  | 1.00                                       |
| 330  | D         | TR3D337M010(2)0125   | 33.0  | 15                                    | 0.125  | 1.10                                       |
| 330  | D         | TR3D337M010(2)0100   | 33.0  | 15                                    | 0.100  | 1.22                                       |
| 330  | E         | TR3E337(1)010(2)0100 | 33.0  | 10                                    | 0.100  | 1.28                                       |
| 330  | E         | TR3E337(1)010(2)0060 | 33.0  | 10                                    | 0.060  | 1.66                                       |
| 470  | E         | TR3E477M010(2)0200   | 47.0  | 15                                    | 0.200  | 0.91                                       |
| 470  | E         | TR3E477M010(2)0150   | 47.0  | 15                                    | 0.150  | 1.05                                       |
| 470  | E         | TR3E477M010(2)0100   | 47.0  | 15                                    | 0.100  | 1.28                                       |
| 470*   | E         | TR3E477M010(2)0060   | 47.0  | 15                                    | 0.060  | 1.66                                       |
| 470*   | E         | TR3E477M010(2)0050   | 47.0  | 15                                    | 0.050  | 1.82                                       |
| <b>16 VDC at + 85 °C, 10 VDC at + 125 °C</b> |           |                      |   |                                       |  |  |
| 2.2  | A         | TR3A225(1)016(2)4000 | 0.5   | 6                                     | 4.000  | 0.14                                       |
| 3.3  | A         | TR3A335(1)016(2)4000 | 0.5   | 6                                     | 4.000  | 0.14                                       |
| 3.3  | A         | TR3A335(1)016(2)3500 | 0.5   | 6                                     | 3.500  | 0.15                                       |
| 4.7  | A         | TR3A475(1)016(2)3000 | 0.8   | 6                                     | 3.000  | 0.16                                       |
| 4.7  | A         | TR3A475(1)016(2)2000 | 0.8   | 6                                     | 2.000  | 0.19                                       |
| 4.7  | A         | TR3A475(1)016(2)2500 | 0.8   | 6                                     | 2.500  | 0.17                                       |
| 4.7  | B         | TR3B475(1)016(2)1500 | 0.8   | 6                                     | 1.500  | 0.24                                       |
| 6.8  | A         | TR3A685(1)016(2)3000 | 1.1   | 6                                     | 3.000  | 0.16                                       |
| 10   | A         | TR3A106(1)016(2)1700 | 1.6   | 6                                     | 1.700  | 0.21                                       |
| 10   | B         | TR3B106(1)016(2)0800 | 1.6   | 6                                     | 0.800  | 0.33                                       |
| 10   | C         | TR3C106(1)016(2)0600 | 1.6   | 6                                     | 0.600  | 0.43                                       |
| 10   | B         | TR3B106(1)016(2)0500 | 1.6   | 6                                     | 0.500  | 0.41                                       |
| 10   | C         | TR3C106(1)016(2)0500 | 1.6   | 6                                     | 0.500  | 0.47                                       |
| 10   | C         | TR3C106(1)016(2)0450 | 1.6   | 6                                     | 0.450  | 0.49                                       |
| 15   | B         | TR3B156(1)016(2)0800 | 2.4   | 6                                     | 0.800  | 0.33                                       |
| 15   | C         | TR3C156(1)016(2)0400 | 2.4   | 6                                     | 0.400  | 0.52                                       |

**Notes:**

- (1) Capacitance Tolerance Codes: K, M
- (2) Terminations and Packaging Codes: C, D, E, F
- \* Preliminary values, contact factory for availability



Solid Tantalum Surface Mount Capacitors  
TANTAMOUNT® Molded Case, Low ESR

Vishay Sprague

| RATINGS AND PART NUMBER REFERENCE            |           |                      |                                |                              |                                |  |
|--|-----------|----------------------|--------------------------------|------------------------------|--------------------------------|--|
| CAPACITANCE (µF)                             | CASE CODE | PART NUMBER          | MAX. DC LEAKAGE at+ 25 °C (µA) | MAX. DF at+ 25 °C 120 Hz (%) | MAX. ESR at+ 25 °C 100 kHz (Ω) | MAX. RIPPLE 100 kHz I <sub>rms</sub> (A) |
| <b>16 VDC at + 85 °C, 10 VDC at + 125 °C</b> |           |                      |                                |                              |                                |  |
| 22   | B         | TR3B226(1)016(2)1000 | 3.5                            | 6                            | 1.000                          | 0.29                                     |
| 22   | B         | TR3B226(1)016(2)0700 | 3.5                            | 6                            | 0.700                          | 0.35                                     |
| 22   | B         | TR3B226(1)016(2)0600 | 3.5                            | 6                            | 0.600                          | 0.38                                     |
| 22   | C         | TR3C226(1)016(2)0375 | 3.5                            | 6                            | 0.375                          | 0.54                                     |
| 22   | C         | TR3C226(1)016(2)0350 | 3.5                            | 6                            | 0.350                          | 0.56                                     |
| 22   | D         | TR3D226(1)016(2)0250 | 3.5                            | 6                            | 0.250                          | 0.17                                     |
| 33   | B         | TR3B336(1)016(2)0700 | 5.3                            | 6                            | 0.700                          | 0.35                                     |
| 33   | B         | TR3B336(1)016(2)0500 | 5.3                            | 6                            | 0.500                          | 0.41                                     |
| 33   | B         | TR3B336(1)016(2)0350 | 5.3                            | 6                            | 0.350                          | 0.49                                     |
| 33   | C         | TR3C336(1)016(2)0300 | 5.3                            | 6                            | 0.300                          | 0.61                                     |
| 33   | D         | TR3D336(1)016(2)0250 | 5.3                            | 6                            | 0.250                          | 0.77                                     |
| 33   | D         | TR3D336(1)016(2)0225 | 4.2                            | 4                            | 0.225                          | 0.82                                     |
| 33   | D         | TR3D336(1)016(2)0150 | 5.3                            | 6                            | 0.150                          | 1.00                                     |
| 47   | C         | TR3C476(1)016(2)0500 | 7.5                            | 6                            | 0.500                          | 0.47                                     |
| 47   | C         | TR3C476(1)016(2)0350 | 7.5                            | 6                            | 0.350                          | 0.56                                     |
| 47   | C         | TR3C476(1)016(2)0300 | 7.5                            | 6                            | 0.300                          | 0.61                                     |
| 47   | D         | TR3D476(1)016(2)0200 | 7.5                            | 6                            | 0.200                          | 0.87                                     |
| 47   | D         | TR3D476(1)016(2)0150 | 7.5                            | 6                            | 0.150                          | 1.00                                     |
| 47   | D         | TR3D476(1)016(2)0100 | 7.5                            | 6                            | 0.100                          | 1.22                                     |
| 68   | D         | TR3D686(1)016(2)0150 | 10.9                           | 6                            | 0.150                          | 1.00                                     |
| 68   | D         | TR3D686(1)016(2)0100 | 10.9                           | 6                            | 0.100                          | 1.22                                     |
| 68   | D         | TR3D686(1)016(2)0070 | 10.9                           | 6                            | 0.070                          | 1.46                                     |
| 100  | D         | TR3D107(1)016(2)0125 | 16.0                           | 8                            | 0.125                          | 1.10                                     |
| 100  | D         | TR3D107(1)016(2)0100 | 16.0                           | 8                            | 0.100                          | 1.22                                     |
| 100  | E         | TR3E107(1)016(2)0100 | 16.0                           | 8                            | 0.100                          | 1.28                                     |
| 100  | D         | TR3D107(1)016(2)0150 | 16.0                           | 8                            | 0.150                          | 1.00                                     |
| 100  | E         | TR3E107(1)016(2)0125 | 16.0                           | 8                            | 0.125                          | 1.15                                     |
| 100  | E         | TR3E107(1)016(2)0150 | 16.0                           | 8                            | 0.150                          | 1.05                                     |
| 150  | E         | TR3E157(1)016(2)0400 | 24.0                           | 8                            | 0.400                          | 0.61                                     |
| 150  | E         | TR3E157(1)016(2)0060 | 24.0                           | 8                            | 0.060                          | 1.66                                     |
| 150  | D         | TR3D157(1)016(2)0400 | 24.0                           | 8                            | 0.400                          | 0.61                                     |
| 150  | D         | TR3D157(1)016(2)0150 | 24.0                           | 8                            | 0.150                          | 1.00                                     |
| 150  | D         | TR3D157(1)016(2)0125 | 24.0                           | 8                            | 0.125                          | 1.10                                     |
| 150  | D         | TR3D157(1)016(2)0100 | 24.0                           | 8                            | 0.100                          | 1.22                                     |
| 150  | D         | TR3D157(1)016(2)0085 | 24.0                           | 8                            | 0.085                          | 1.33                                     |
| 150  | D         | TR3D157(1)016(2)0075 | 24.0                           | 8                            | 0.075                          | 1.41                                     |
| 150  | D         | TR3D157(1)016(2)0060 | 24.0                           | 8                            | 0.060                          | 1.58                                     |
| 150  | E         | TR3E157(1)016(2)0150 | 24.0                           | 8                            | 0.150                          | 1.05                                     |
| 150  | E         | TR3E157(1)016(2)0100 | 24.0                           | 8                            | 0.100                          | 1.28                                     |
| 150  | E         | TR3E157(1)016(2)0075 | 24.0                           | 8                            | 0.075                          | 1.48                                     |
| 220  | E         | TR3E227(1)016(2)0150 | 35.2                           | 14                           | 0.150                          | 1.05                                     |
| 220  | E         | TR3E227(1)016(2)0125 | 35.2                           | 14                           | 0.125                          | 1.15                                     |
| 220  | E         | TR3E227(1)016(2)0100 | 35.2                           | 14                           | 0.100                          | 1.28                                     |
| <b>20 VDC at + 85 °C, 13 VDC at + 125 °C</b> |           |                      |                                |                              |                                |  |
| 1.0  | A         | TR3A105(1)020(2)5500 | 0.5                            | 4                            | 5.500                          | 0.12                                     |
| 1.0  | A         | TR3A105(1)020(2)3000 | 0.5                            | 4                            | 3.000                          | 0.16                                     |
| 2.2  | A         | TR3A225(1)020(2)4000 | 0.5                            | 6                            | 4.000                          | 0.14                                     |
| 3.3  | A         | TR3A335(1)020(2)4000 | 0.7                            | 6                            | 4.000                          | 0.14                                     |
| 4.7  | A         | TR3A475(1)020(2)3500 | 0.9                            | 6                            | 3.500                          | 0.15                                     |
| 4.7  | A         | TR3A475(1)020(2)1800 | 0.9                            | 6                            | 1.800                          | 0.20                                     |
| 4.7  | B         | TR3B475(1)020(2)1000 | 0.9                            | 6                            | 1.000                          | 0.29                                     |
| 6.8  | A         | TR3A685(1)020(2)3200 | 1.4                            | 6                            | 3.200                          | 0.15                                     |
| 6.8  | A         | TR3A685(1)020(2)3000 | 1.4                            | 6                            | 3.000                          | 0.16                                     |
| 6.8  | A         | TR3A685(1)020(2)2600 | 1.4                            | 6                            | 2.600                          | 0.17                                     |
| 6.8  | B         | TR3B685(1)020(2)1000 | 1.4                            | 6                            | 1.000                          | 0.29                                     |

Notes:

- (1) Capacitance Tolerance Codes: K, M
- (2) Terminations and Packaging Codes: C, D, E, F
- \* Preliminary values, contact factory for availability



| <b>RATINGS AND PART NUMBER REFERENCE</b>     |           |                      |   |                                       |  |  |
|--|-----------|----------------------|---|---------------------------------------|--|--|
| CAPACITANCE<br>( $\mu$ F)                    | CASE CODE | PART NUMBER          | MAX. DC<br>LEAKAGE<br>at+ 25 °C<br>( $\mu$ A) | MAX. DF<br>at+ 25 °C<br>120 Hz<br>(%) | MAX. ESR<br>at+ 25 °C<br>100 kHz<br>( $\Omega$ ) | MAX. RIPPLE<br>100 kHz<br>$I_{rms}$<br>(A) |
| <b>20 VDC at + 85 °C, 13 VDC at + 125 °C</b> |           |                      |   |                                       |  |  |
| 10   | B         | TR3B106(1)020(2)1000 | 2.0   | 6                                     | 1.000  | 0.29                                       |
| 10   | C         | TR3C106(1)020(2)0700 | 2.0   | 6                                     | 0.700  | 0.40                                       |
| 10   | C         | TR3C106(1)020(2)0500 | 2.0   | 6                                     | 0.500  | 0.40                                       |
| 10   | C         | TR3C106(1)020(2)0475 | 2.0   | 6                                     | 0.475  | 0.47                                       |
| 10   | C         | TR3C106(1)020(2)0400 | 2.0   | 6                                     | 0.400  | 0.52                                       |
| 10   | C         | TR3C106(1)020(2)0450 | 2.0   | 6                                     | 0.450  | 0.49                                       |
| 15   | B         | TR3B156(1)020(2)1000 | 3.0   | 6                                     | 1.000  | 0.29                                       |
| 15   | C         | TR3C156(1)020(2)0400 | 3.0   | 6                                     | 0.400  | 0.52                                       |
| 22   | B         | TR3B226(1)020(2)0800 | 4.4   | 6                                     | 0.800  | 0.33                                       |
| 22   | B         | TR3B226(1)020(2)0600 | 4.4   | 6                                     | 0.600  | 0.38                                       |
| 22   | C         | TR3C226(1)020(2)0400 | 4.4   | 6                                     | 0.400  | 0.52                                       |
| 22   | C         | TR3C226(1)020(2)0375 | 4.4   | 6                                     | 0.375  | 0.54                                       |
| 22   | D         | TR3D226(1)020(2)0300 | 4.4   | 6                                     | 0.300  | 0.71                                       |
| 22   | D         | TR3D226(1)020(2)0225 | 3.5   | 4                                     | 0.225  | 0.82                                       |
| 33   | C         | TR3C336(1)020(2)0350 | 6.6   | 6                                     | 0.350  | 0.56                                       |
| 33   | C         | TR3C336(1)020(2)0300 | 6.6   | 6                                     | 0.300  | 0.60                                       |
| 33   | C         | TR3C336(1)020(2)0200 | 6.6   | 6                                     | 0.200  | 0.74                                       |
| 33   | D         | TR3C336(1)020(2)0400 | 6.6   | 6                                     | 0.400  | 0.52                                       |
| 33   | D         | TR3D336(1)020(2)0250 | 6.6   | 6                                     | 0.250  | 0.77                                       |
| 33   | D         | TR3D336(1)020(2)0200 | 6.6   | 6                                     | 0.200  | 0.87                                       |
| 47   | D         | TR3D476(1)020(2)0200 | 9.4   | 6                                     | 0.200  | 0.87                                       |
| 47   | D         | TR3D476(1)020(2)0175 | 9.4   | 6                                     | 0.175  | 0.93                                       |
| 47   | D         | TR3D476(1)020(2)0150 | 9.4   | 6                                     | 0.150  | 1.00                                       |
| 47   | D         | TR3D476(1)020(2)0100 | 9.4   | 6                                     | 0.100  | 1.22                                       |
| 47   | E         | TR3E476(1)020(2)0150 | 7.5   | 4                                     | 0.150  | 1.05                                       |
| 68   | D         | TR3D686(1)020(2)0200 | 13.6  | 6                                     | 0.200  | 0.87                                       |
| 68   | D         | TR3D686(1)020(2)0175 | 13.6  | 6                                     | 0.175  | 0.93                                       |
| 68   | D         | TR3D686(1)020(2)0150 | 13.6  | 6                                     | 0.150  | 1.00                                       |
| 68   | D         | TR3D686(1)020(2)0115 | 13.6  | 6                                     | 0.115  | 1.14                                       |
| 68   | E         | TR3E686(1)020(2)0200 | 13.6  | 6                                     | 0.200  | 0.91                                       |
| 68   | E         | TR3E686(1)020(2)0150 | 13.6  | 6                                     | 0.150  | 1.05                                       |
| 100  | E         | TR3E107(1)020(2)0200 | 20.0  | 8                                     | 0.200  | 0.91                                       |
| 100  | E         | TR3E107(1)020(2)0150 | 20.0  | 8                                     | 0.150  | 1.05                                       |
| 100  | E         | TR3E107(1)020(2)0100 | 20.0  | 8                                     | 0.100  | 1.28                                       |
| <b>25 VDC at + 85 °C, 17 VDC at + 125 °C</b> |           |                      |   |                                       |  |  |
| 1.0  | A         | TR3A105(1)025(2)4000 | 0.5   | 4                                     | 4.000  | 0.14                                       |
| 1.5  | A         | TR3A155(1)025(2)4000 | 0.5   | 6                                     | 4.000  | 0.14                                       |
| 2.2  | A         | TR3A225(1)025(2)4000 | 0.6   | 6                                     | 4.000  | 0.14                                       |
| 2.2  | B         | TR3B225(1)025(2)1500 | 0.6   | 6                                     | 1.500  | 0.24                                       |
| 3.3  | A         | TR3A335(1)025(2)3500 | 0.8   | 6                                     | 3.500  | 0.15                                       |
| 3.3  | A         | TR3A335(1)025(2)3000 | 0.8   | 6                                     | 3.000  | 0.16                                       |
| 3.3  | B         | TR3B335(1)025(2)2000 | 0.8   | 6                                     | 2.000  | 0.21                                       |
| 3.3  | B         | TR3B335(1)025(2)1500 | 0.8   | 6                                     | 1.500  | 0.24                                       |
| 4.7  | A         | TR3A475(1)025(2)3500 | 1.2   | 6                                     | 3.500  | 0.15                                       |
| 4.7  | A         | TR3A475(1)025(2)3000 | 1.2   | 6                                     | 3.000  | 0.16                                       |
| 4.7  | B         | TR3B475(1)025(2)1500 | 1.2   | 6                                     | 1.500  | 0.24                                       |
| 4.7  | C         | TR3C475(1)025(2)0600 | 1.2   | 6                                     | 0.600  | 0.43                                       |
| 4.7  | C         | TR3C475(1)025(2)0525 | 1.2   | 6                                     | 0.525  | 0.46                                       |
| 6.8  | B         | TR3B685(1)025(2)2000 | 1.7   | 6                                     | 2.000  | 0.21                                       |
| 6.8  | B         | TR3B685(1)025(2)1500 | 1.7   | 6                                     | 1.500  | 0.24                                       |
| 6.8  | B         | TR3B685(1)025(2)1200 | 1.7   | 6                                     | 1.200  | 0.27                                       |
| 6.8  | B         | TR3B685(1)025(2)0700 | 1.7   | 6                                     | 0.700  | 0.35                                       |
| 6.8  | B         | TR3B685(1)025(2)0500 | 1.7   | 6                                     | 0.500  | 0.41                                       |
| 6.8  | B         | TR3B685(1)025(2)0400 | 1.7   | 6                                     | 0.400  | 0.46                                       |
| 6.8  | C         | TR3C685(1)025(2)0600 | 1.7   | 6                                     | 0.600  | 0.43                                       |
| 6.8  | C         | TR3C685(1)025(2)0500 | 1.7   | 6                                     | 0.500  | 0.47                                       |

## Notes:

- (1) Capacitance Tolerance Codes: K, M
- (2) Terminations and Packaging Codes: C, D, E, F
- \* Preliminary values, contact factory for availability





Solid Tantalum Surface Mount Capacitors  
TANTAMOUNT® Molded Case, Low ESR

Vishay Sprague

| RATINGS AND PART NUMBER REFERENCE            |           |                      |                                |                              |                                |  |
|--|-----------|----------------------|--------------------------------|------------------------------|--------------------------------|--|
| CAPACITANCE (µF)                             | CASE CODE | PART NUMBER          | MAX. DC LEAKAGE at+ 25 °C (µA) | MAX. DF at+ 25 °C 120 Hz (%) | MAX. ESR at+ 25 °C 100 kHz (Ω) | MAX. RIPPLE 100 kHz I <sub>rms</sub> (A) |
| <b>25 VDC at + 85 °C, 17 VDC at + 125 °C</b> |           |                      |                                |                              |                                |  |
| 10   | B         | TR3B106(1)025(2)1300 | 2.5                            | 6                            | 1.300                          | 0.26                                     |
| 10   | B         | TR3B106(1)025(2)1100 | 2.5                            | 6                            | 1.100                          | 0.28                                     |
| 10   | B         | TR3B106(1)025(2)0450 | 2.5                            | 6                            | 0.450                          | 0.43                                     |
| 15   | C         | TR3C156(1)025(2)0900 | 3.8                            | 6                            | 0.900                          | 0.35                                     |
| 15   | C         | TR3C156(1)025(2)0900 | 3.8                            | 6                            | 0.900                          | 0.35                                     |
| 10   | C         | TR3C106(1)025(2)0600 | 2.5                            | 6                            | 0.600                          | 0.43                                     |
| 10   | C         | TR3C106(1)025(2)0500 | 2.5                            | 6                            | 0.500                          | 0.47                                     |
| 10   | C         | TR3C106(1)025(2)0450 | 2.5                            | 6                            | 0.450                          | 0.49                                     |
| 10   | C         | TR3C106(1)025(2)0300 | 2.5                            | 6                            | 0.300                          | 0.61                                     |
| 10   | D         | TR3D106(1)025(2)0400 | 2.5                            | 6                            | 0.400                          | 0.61                                     |
| 15   | B         | TR3B106(1)025(2)1000 | 3.8                            | 6                            | 1.000                          | 0.29                                     |
| 15   | B         | TR3B156(1)025(2)0800 | 3.8                            | 6                            | 0.800                          | 0.33                                     |
| 15   | B         | TR3B156(1)025(2)0600 | 3.8                            | 6                            | 0.600                          | 0.38                                     |
| 15   | C         | TR3C156(1)025(2)0425 | 3.8                            | 6                            | 0.425                          | 0.51                                     |
| 15   | D         | TR3D156(1)025(2)0350 | 3.8                            | 6                            | 0.350                          | 0.65                                     |
| 15   | D         | TR3D156(1)025(2)0275 | 3.8                            | 6                            | 0.275                          | 0.74                                     |
| 15   | D         | TR3D156(1)025(2)0250 | 3.8                            | 6                            | 0.250                          | 0.77                                     |
| 22   | C         | TR3C226(1)025(2)1000 | 5.5                            | 6                            | 1.000                          | 0.33                                     |
| 22   | C         | TR3C226(1)025(2)0900 | 5.5                            | 6                            | 0.900                          | 0.35                                     |
| 22   | C         | TR3C226(1)025(2)0400 | 5.5                            | 6                            | 0.400                          | 0.52                                     |
| 22   | C         | TR3C226(1)025(2)0300 | 5.5                            | 6                            | 0.300                          | 0.61                                     |
| 22   | C         | TR3C226(1)025(2)0275 | 5.5                            | 6                            | 0.275                          | 0.63                                     |
| 22   | C         | TR3C226(1)025(2)0250 | 5.5                            | 6                            | 0.250                          | 0.66                                     |
| 22   | D         | TR3D226(1)025(2)0300 | 5.5                            | 6                            | 0.300                          | 0.71                                     |
| 22   | D         | TR3D226(1)025(2)0200 | 5.5                            | 6                            | 0.200                          | 0.87                                     |
| 22   | V         | TR3V226(1)025(2)0500 | 5.5                            | 6                            | 0.500                          | 0.50                                     |
| 22   | V         | TR3V226(1)025(2)0400 | 5.5                            | 6                            | 0.400                          | 0.56                                     |
| 22   | V         | TR3V226(1)025(2)0250 | 5.5                            | 6                            | 0.250                          | 0.71                                     |
| 33   | D         | TR3D336(1)025(2)0400 | 8.3                            | 6                            | 0.400                          | 0.61                                     |
| 33   | D         | TR3D336(1)025(2)0300 | 8.3                            | 6                            | 0.300                          | 0.71                                     |
| 33   | D         | TR3D336(1)025(2)0225 | 8.3                            | 6                            | 0.225                          | 0.82                                     |
| 33   | D         | TR3D336(1)025(2)0200 | 8.3                            | 6                            | 0.200                          | 0.87                                     |
| 33   | E         | TR3E336(1)025(2)0300 | 8.3                            | 6                            | 0.300                          | 0.74                                     |
| 33   | E         | TR3E336(1)025(2)0200 | 8.3                            | 6                            | 0.200                          | 0.91                                     |
| 33   | E         | TR3E336(1)025(2)0175 | 6.6                            | 4                            | 0.175                          | 0.97                                     |
| 47   | D         | TR3D476(1)025(2)0350 | 11.8                           | 8                            | 0.350                          | 0.65                                     |
| 47   | D         | TR3D476(1)025(2)0250 | 11.8                           | 8                            | 0.250                          | 0.77                                     |
| 47   | D         | TR3D476(1)025(2)0200 | 11.8                           | 6                            | 0.200                          | 0.87                                     |
| 47   | D         | TR3D476(1)025(2)0150 | 11.8                           | 8                            | 0.150                          | 1.00                                     |
| 47   | D         | TR3D476(1)025(2)0100 | 11.8                           | 8                            | 0.100                          | 1.22                                     |
| 47   | E         | TR3E476(1)025(2)0300 | 11.8                           | 6                            | 0.300                          | 0.74                                     |
| 47   | E         | TR3E476(1)025(2)0200 | 11.8                           | 6                            | 0.200                          | 0.91                                     |
| 47   | E         | TR3E476(1)025(2)0150 | 11.8                           | 8                            | 0.150                          | 1.05                                     |
| <b>35 VDC at + 85 °C, 23 VDC at + 125 °C</b> |           |                      |                                |                              |                                |  |
| 0.47   | A         | TR3A474(1)035(2)4000 | 0.5                            | 4                            | 4.000                          | 0.14                                     |
| 0.68   | A         | TR3A684(1)035(2)6000 | 0.5                            | 4                            | 6.000                          | 0.11                                     |
| 0.68   | A         | TR3A684(1)035(2)4000 | 0.5                            | 4                            | 4.000                          | 0.14                                     |
| 1.0  | A         | TR3A105(1)035(2)6000 | 0.5                            | 4                            | 6.000                          | 0.11                                     |
| 1.0  | A         | TR3A105(1)035(2)4000 | 0.5                            | 4                            | 4.000                          | 0.14                                     |
| 1.0  | A         | TR3A105(1)035(2)3000 | 0.5                            | 4                            | 3.000                          | 0.16                                     |
| 1.0  | B         | TR3B105(1)035(2)2000 | 0.5                            | 4                            | 2.000                          | 0.21                                     |
| 1.0  | B         | TR3B105(1)035(2)1500 | 0.5                            | 4                            | 1.500                          | 0.24                                     |
| 1.0  | B         | TR3B105(1)035(2)1700 | 0.5                            | 4                            | 1.700                          | 0.22                                     |

Notes:

- (1) Capacitance Tolerance Codes: K, M
- (2) Terminations and Packaging Codes: C, D, E, F
- \* Preliminary values, contact factory for availability



| RATINGS AND PART NUMBER REFERENCE            |           |                      |   |                                       |  |  |
|--|-----------|----------------------|---|---------------------------------------|--|--|
| CAPACITANCE<br>( $\mu$ F)                    | CASE CODE | PART NUMBER          | MAX. DC<br>LEAKAGE<br>at+ 25 °C<br>( $\mu$ A) | MAX. DF<br>at+ 25 °C<br>120 Hz<br>(%) | MAX. ESR<br>at+ 25 °C<br>100 kHz<br>( $\Omega$ ) | MAX. RIPPLE<br>100 kHz<br>$I_{rms}$<br>(A) |
| <b>35 VDC at + 85 °C, 23 VDC at + 125 °C</b> |           |                      |   |                                       |  |  |
| 1.5  | B         | TR3B155(1)035(2)3000 | 0.5   | 6                                     | 3.000  | 0.17                                       |
| 1.5  | C         | TR3C155(1)035(2)2500 | 0.5   | 6                                     | 2.500  | 0.21                                       |
| 1.5  | B         | TR3B155(1)035(2)2000 | 0.5   | 6                                     | 2.000  | 0.21                                       |
| 1.5  | C         | TR3C155(1)035(2)0900 | 0.5   | 6                                     | 0.900  | 0.35                                       |
| 2.2  | B         | TR3B225(1)035(2)2500 | 0.8   | 6                                     | 2.500  | 0.18                                       |
| 2.2  | C         | TR3C225(1)035(2)1500 | 0.8   | 6                                     | 1.500  | 0.27                                       |
| 2.2  | B         | TR3B225(1)035(2)2000 | 0.8   | 6                                     | 2.000  | 0.21                                       |
| 2.2  | C         | TR3C225(1)035(2)0900 | 0.8   | 6                                     | 0.900  | 0.35                                       |
| 3.3  | C         | TR3C335(1)035(2)0800 | 1.2   | 6                                     | 0.800  | 0.37                                       |
| 3.3  | C         | TR3C335(1)035(2)0700 | 1.2   | 6                                     | 0.700  | 0.40                                       |
| 3.3  | C         | TR3C335(1)035(2)0600 | 1.2   | 6                                     | 0.600  | 0.43                                       |
| 4.7  | B         | TR3B475(1)035(2)1500 | 1.6   | 6                                     | 1.500  | 0.24                                       |
| 4.7  | B         | TR3B475(1)035(2)1000 | 1.6   | 6                                     | 1.000  | 0.29                                       |
| 4.7  | B         | TR3B475(1)035(2)0700 | 1.6   | 6                                     | 0.700  | 0.35                                       |
| 4.7  | C         | TR3C475(1)035(2)0700 | 1.6   | 6                                     | 0.700  | 0.40                                       |
| 4.7  | C         | TR3C475(1)035(2)0600 | 1.6   | 6                                     | 0.600  | 0.43                                       |
| 4.7  | C         | TR3C475(1)035(2)0500 | 1.6   | 6                                     | 0.500  | 0.47                                       |
| 6.8  | C         | TR3C685(1)035(2)0900 | 2.4   | 6                                     | 0.900  | 0.35                                       |
| 6.8  | C         | TR3C685(1)035(2)0475 | 2.4   | 6                                     | 0.475  | 0.48                                       |
| 6.8  | D         | TR3D685(1)035(2)0500 | 2.4   | 6                                     | 0.500  | 0.55                                       |
| 6.8  | D         | TR3D685(1)035(2)0400 | 2.4   | 6                                     | 0.400  | 0.61                                       |
| 6.8  | D         | TR3D685(1)035(2)0300 | 2.4   | 6                                     | 0.300  | 0.71                                       |
| 6.8  | E         | TR3E685(1)035(2)0300 | 1.9   | 4                                     | 0.300  | 0.74                                       |
| 10   | C         | TR3C106(1)035(2)1200 | 3.5   | 6                                     | 1.200  | 0.30                                       |
| 10   | C         | TR3C106(1)035(2)0450 | 3.5   | 6                                     | 0.450  | 0.49                                       |
| 10   | D         | TR3D106(1)035(2)0400 | 3.5   | 6                                     | 0.400  | 0.61                                       |
| 10   | D         | TR3D106(1)035(2)0300 | 3.5   | 6                                     | 0.300  | 0.71                                       |
| 10   | D         | TR3D106(1)035(2)0260 | 3.5   | 6                                     | 0.260  | 0.76                                       |
| 10   | D         | TR3D106(1)035(2)0250 | 3.5   | 6                                     | 0.250  | 0.77                                       |
| 10   | D         | TR3D106(1)035(2)0135 | 3.5   | 6                                     | 0.135  | 1.05                                       |
| 10   | D         | TR3D106(1)035(2)0125 | 3.5   | 6                                     | 0.125  | 1.10                                       |
| 15   | D         | TR3D156(1)035(2)0350 | 5.3   | 6                                     | 0.350  | 0.65                                       |
| 15   | D         | TR3D156(1)035(2)0300 | 5.3   | 6                                     | 0.300  | 0.71                                       |
| 15   | D         | TR3D156(1)035(2)0260 | 5.3   | 6                                     | 0.260  | 0.76                                       |
| 15   | D         | TR3D156(1)035(2)0225 | 5.3   | 6                                     | 0.225  | 0.82                                       |
| 15   | D         | TR3D156(1)035(2)0200 | 5.3   | 6                                     | 0.200  | 0.87                                       |
| 15   | D         | TR3D156(1)035(2)0150 | 5.3   | 6                                     | 0.150  | 1.00                                       |
| 15   | E         | TR3E156(1)035(2)0300 | 5.3   | 6                                     | 0.300  | 0.74                                       |
| 15   | E         | TR3E156(1)035(2)0225 | 5.3   | 6                                     | 0.225  | 0.87                                       |
| 15   | E         | TR3E156(1)035(2)0200 | 5.3   | 6                                     | 0.200  | 0.91                                       |
| 15   | E         | TR3E156(1)035(2)0150 | 5.3   | 6                                     | 0.150  | 1.05                                       |
| 22   | D         | TR3D226(1)035(2)0400 | 7.7   | 6                                     | 0.400  | 0.61                                       |
| 22   | D         | TR3D226(1)035(2)0300 | 7.7   | 6                                     | 0.300  | 0.71                                       |
| 22   | D         | TR3D226(1)035(2)0275 | 7.7   | 6                                     | 0.275  | 0.74                                       |
| 22   | D         | TR3D226(1)035(2)0250 | 7.7   | 6                                     | 0.250  | 0.77                                       |
| 22   | D         | TR3D226(1)035(2)0200 | 7.7   | 6                                     | 0.200  | 0.87                                       |
| 22   | E         | TR3E226(1)035(2)0300 | 7.7   | 6                                     | 0.300  | 0.74                                       |
| 22   | E         | TR3E226(1)035(2)0275 | 7.7   | 6                                     | 0.275  | 0.77                                       |
| 22   | E         | TR3E226(1)035(2)0260 | 7.7   | 6                                     | 0.260  | 0.80                                       |
| 22   | E         | TR3E226(1)035(2)0200 | 7.7   | 6                                     | 0.200  | 0.91                                       |

**Notes:**

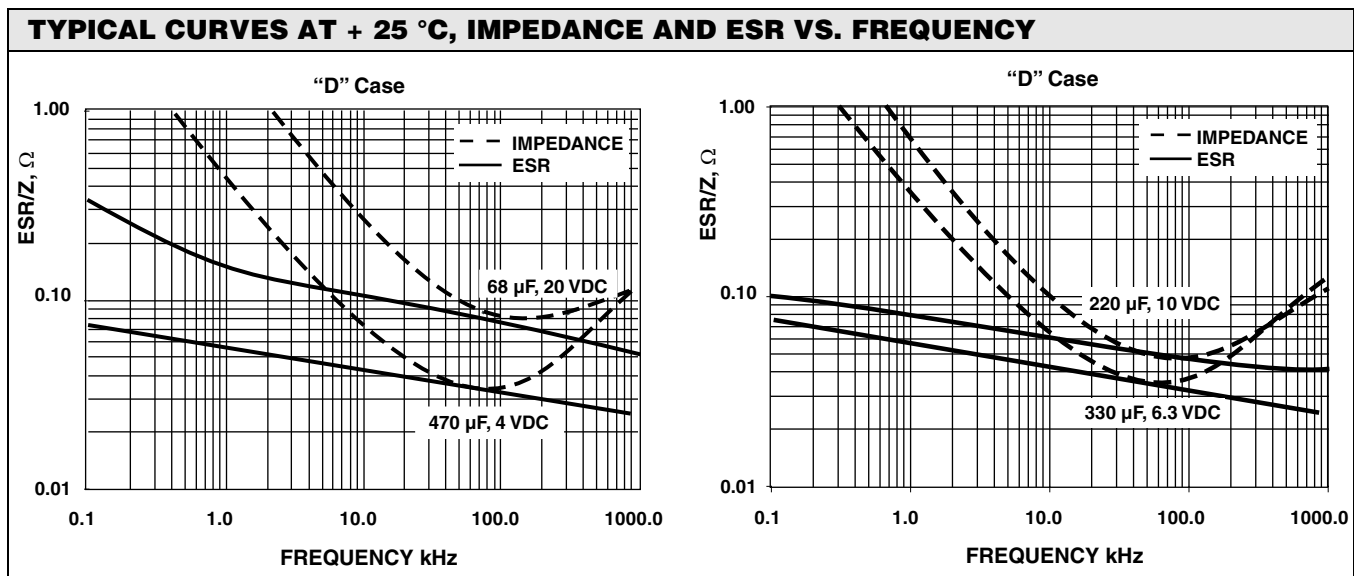
- (1) Capacitance Tolerance Codes: K, M
- (2) Terminations and Packaging Codes: C, D, E, F
- \* Preliminary values, contact factory for availability



| RATINGS AND PART NUMBER REFERENCE     |           |                      |                                |                              |                                |  |
|---------------------------------------|-----------|----------------------|--------------------------------|------------------------------|--------------------------------|--|
| CAPACITANCE (μF)                      | CASE CODE | PART NUMBER          | MAX. DC LEAKAGE at+ 25 °C (μA) | MAX. DF at+ 25 °C 120 Hz (%) | MAX. ESR at+ 25 °C 100 kHz (Ω) | MAX. RIPPLE 100 kHz I <sub>rms</sub> (A) |
| 50 VDC at + 85 °C, 33 VDC at + 125 °C |           |                      |                                |                              |                                |  |
| 1.0                                   | B         | TR3B105(1)050(2)4000 | 0.5                            | 4                            | 4.000                          | 0.15                                     |
| 1.0                                   | B         | TR3B105(1)050(2)2000 | 0.5                            | 4                            | 2.000                          | 0.21                                     |
| 1.0                                   | C         | TR3C105(1)050(2)1600 | 0.5                            | 4                            | 1.600                          | 0.26                                     |
| 1.5                                   | B         | TR3B155(1)050(2)2000 | 0.8                            | 6                            | 2.000                          | 0.21                                     |
| 1.5                                   | C         | TR3C155(1)050(2)1500 | 0.8                            | 6                            | 1.500                          | 0.27                                     |
| 2.2                                   | B         | TR3B225(1)050(2)2000 | 1.1                            | 6                            | 2.000                          | 0.21                                     |
| 2.2                                   | C         | TR3C225(1)050(2)1500 | 1.1                            | 6                            | 1.500                          | 0.27                                     |
| 2.2                                   | D         | TR3D225(1)050(2)0800 | 1.1                            | 6                            | 0.800                          | 0.43                                     |
| 3.3                                   | C         | TR3C335(1)050(2)1500 | 1.7                            | 6                            | 1.500                          | 0.27                                     |
| 3.3                                   | D         | TR3D335(1)050(2)0800 | 1.7                            | 6                            | 0.800                          | 0.43                                     |
| 4.7                                   | C         | TR3C475(1)050(2)1000 | 2.4                            | 6                            | 1.000                          | 0.33                                     |
| 4.7                                   | C         | TR3C475(1)050(2)0700 | 2.4                            | 6                            | 0.700                          | 0.40                                     |
| 4.7                                   | C         | TR3C475(1)050(2)0500 | 2.4                            | 6                            | 0.500                          | 0.47                                     |
| 4.7                                   | D         | TR3D475(1)050(2)0700 | 2.4                            | 6                            | 0.700                          | 0.46                                     |
| 4.7                                   | D         | TR3D475(1)050(2)0600 | 2.4                            | 6                            | 0.600                          | 0.50                                     |
| 4.7                                   | D         | TR3D475(1)050(2)0500 | 2.4                            | 6                            | 0.500                          | 0.55                                     |
| 4.7                                   | D         | TR3D475(1)050(2)0300 | 2.4                            | 6                            | 0.300                          | 0.71                                     |
| 4.7                                   | E         | TR3E475(1)050(2)0300 | 1.9                            | 4                            | 0.300                          | 0.74                                     |
| 6.8                                   | D         | TR3D685(1)050(2)0700 | 3.4                            | 6                            | 0.700                          | 0.46                                     |
| 6.8                                   | D         | TR3D685(1)050(2)0600 | 3.4                            | 6                            | 0.600                          | 0.50                                     |
| 6.8                                   | D         | TR3D685(1)050(2)0500 | 3.4                            | 6                            | 0.500                          | 0.55                                     |
| 6.8                                   | E         | TR3E685(1)050(2)0550 | 3.4                            | 6                            | 0.550                          | 0.55                                     |
| 6.8                                   | E         | TR3E685(1)050(2)0500 | 3.4                            | 6                            | 0.500                          | 0.57                                     |
| 10                                    | D         | TR3D106(1)050(2)0700 | 5.0                            | 6                            | 0.700                          | 0.46                                     |
| 10                                    | D         | TR3D106(1)050(2)0550 | 5.0                            | 6                            | 0.550                          | 0.52                                     |
| 10                                    | D         | TR3D106(1)050(2)0450 | 5.0                            | 6                            | 0.450                          | 0.58                                     |
| 10                                    | E         | TR3E106(1)050(2)0700 | 5.0                            | 6                            | 0.700                          | 0.49                                     |
| 10                                    | E         | TR3E106(1)050(2)0550 | 5.0                            | 6                            | 0.550                          | 0.55                                     |
| 10                                    | E         | TR3E106(1)050(2)0500 | 5.0                            | 6                            | 0.500                          | 0.57                                     |
| 10                                    | E         | TR3E106(1)050(2)0400 | 5.0                            | 6                            | 0.400                          | 0.64                                     |
| 10                                    | E         | TR3E106(1)050(2)0300 | 5.0                            | 6                            | 0.300                          | 0.74                                     |

Notes:

- (1) Capacitance Tolerance Codes: K, M
- (2) Terminations and Packaging Codes: C, D, E, F
- \* Preliminary values, contact factory for availability





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