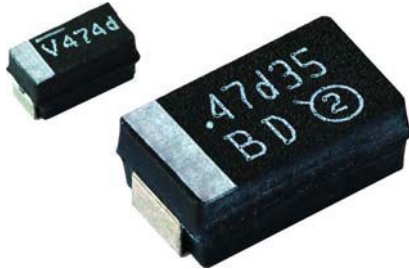


Solid Tantalum Surface Mount, TANTAMOUNT[®], Molded Case, Very Low DCL


FEATURES

- Terminations: 100 % matte tin and tin/lead
- Molded case available in five case codes
- Compatible with "High Volume" automatic pick and place equipment
- 100 % surge current tested (B, C, D and E case sizes)
- Improved reliability: 0.50 %/1000 h, 85 °C, rated voltage
- Standard EIA 535BAAC case size (A through E)
- DC leakage at 0.005 CV
- Low ESR options
- Mounting: Surface mount
- Compliant to RoHS Directive 2011/65/EU
- Halogen-free according to IEC 61249-2-21 definition
- Moisture sensitivity level 1


RoHS*
COMPLIANT

 HALOGEN
FREE
Available

Note

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

PERFORMANCE/ELECTRICAL CHARACTERISTICS
www.vishay.com/doc?40088

Operating Temperature: - 55 °C to + 125 °C
(above 85 °C voltage derating is required)

Capacitance Range: 0.1 µF to 470 µF

Capacitance Tolerance: ± 10 %, ± 20 %

Voltage Rating: 4 V to 50 V

| TL3 | 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 significant figures. The third is the number of zeros to follow. | K = ± 10 % M = ± 20 % | This is expressed in volts. 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 D = Matte tin/13" (330 mm) reels E = Tin/lead/7" (178 mm) reels F = Tin/lead/13" (330 mm) reels | Maximum 100 kHz ESR in mΩ. See note below. |

Notes

- 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 datasheet limit after mounting.
- Dry pack is available per request, contact regional marketing.

| DIMENSIONS in inches [millimeters] | | | | | | | |
|------------------------------------|----------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|-----------------------|
| CASE CODE | EIA SIZE | L | W | H | P | T _w | T _H (MIN.) |
| A | 3216-18 | 0.126 ± 0.008 [3.2 ± 0.20] | 0.063 ± 0.008 [1.6 ± 0.20] | 0.063 ± 0.008 [1.6 ± 0.20] | 0.031 ± 0.012 [0.80 ± 0.30] | 0.047 ± 0.004 [1.2 ± 0.10] | 0.028 [0.70] |
| B | 3528-21 | 0.138 ± 0.008 [3.5 ± 0.20] | 0.110 ± 0.008 [2.8 ± 0.20] | 0.075 ± 0.008 [1.9 ± 0.20] | 0.031 ± 0.012 [0.80 ± 0.30] | 0.087 ± 0.004 [2.2 ± 0.10] | 0.028 [0.70] |
| C | 6032-28 | 0.236 ± 0.012 [6.0 ± 0.30] | 0.126 ± 0.012 [3.2 ± 0.30] | 0.098 ± 0.012 [2.5 ± 0.30] | 0.051 ± 0.012 [1.3 ± 0.30] | 0.087 ± 0.004 [2.2 ± 0.10] | 0.039 [1.0] |
| D | 7343-31 | 0.287 ± 0.012 [7.3 ± 0.30] | 0.169 ± 0.012 [4.3 ± 0.30] | 0.110 ± 0.012 [2.8 ± 0.30] | 0.051 ± 0.012 [1.3 ± 0.30] | 0.094 ± 0.004 [2.4 ± 0.10] | 0.039 [1.0] |
| E | 7343-43 | 0.287 ± 0.012 [7.3 ± 0.30] | 0.169 ± 0.012 [4.3 ± 0.30] | 0.157 ± 0.012 [4.0 ± 0.30] | 0.051 ± 0.012 [1.3 ± 0.30] | 0.094 ± 0.004 [2.4 ± 0.10] | 0.039 [1.0] |



| RATINGS AND CASE CODES | | | | | | | | |
|------------------------|------------------------------------|--|--|---|--|--|------------------------------------|--------------------------------------|
| μF | 4 V | 6.3 V | 10 V | 16 V | 20 V | 25 V | 35 V | 50 V |
| 0.10 | | | | | | | A (20.00, 10.00) | A (19.00, 10.00) |
| 0.15 | | | | | | | A (18.00, 6.00) | A (17.00, 10.00)/ B (14.00, 9.00) |
| 0.22 | | | | | | | A (15.00, 6.00) | B (12.00, 8.50) |
| 0.33 | | | | | | A (14.00, 10.00) | A (13.00, 6.00) | B (10.00, 4.50) |
| 0.47 | | | | | A (12.00, 9.00) | A (12.00, 9.00) | A (10.00, 4.00)/ B (8.00, 2.50) | B (8.40, 4.00)/ C (6.70, 1.80) |
| 0.68 | | | | A (11.00, 8.00) | A (10.00, 8.00) | B (7.00, 5.00) | B (6.50, 2.50) | C (5.90, 1.60) |
| 1.0 | | | A (9.30, 6.00) | A (9.30, 6.00) | A (8.40, 5.50) | A (7.60, 4.00)/ B (5.00, 2.00) | A (7.50, 6.00)/ B (5.00, 2.00) | B (6.70, 2.00)/ C (4.60, 1.60) |
| 1.5 | | A (8.00, 6.00) | A (8.00, 6.00) | A (8.00, 6.00) | B (4.60, 2.50) | B (4.60, 2.00) | B (4.20, 3.00)/ C (3.80, 1.50) | C (3.40, 1.50)/ D (2.90, 1.00) |
| 2.2 | A (7.60, 6.00) | A (7.60, 6.00) | | B (4.60, 2.50) | A (5.90, 4.00)/ B (3.50, 1.50) | A (6.30, 4.00)/ B (3.80, 2.30)/ C (2.90, 1.00) | B (3.80, 2.30)/ C (2.90, 0.90) | C (2.90, 1.50)/ D (2.10, 0.80) |
| 3.3 | A (7.60, 4.00) | A (6.30, 5.00) | B (3.50, 2.50) | B (3.50, 2.00) | B (3.00, 1.30) | B (3.10, 1.50)/ C (2.30, 1.00) | B (3.50, 1.50)/ C (2.10, 0.70) | D (1.70, 0.80) |
| 4.7 | A (6.30, 3.50) | A (5.50, 3.50)/ B (3.40, 1.80) | A (5.00, 3.00)/ B (3.40, 1.50) | A (3.50, 2.50)/ B (2.90, 1.50) | A (5.50, 3.50)/ B (2.90, 1.00)/ C (2.30, 0.60) | B (2.80, 1.50)/ C (2.0, 0.525) | C (1.90, 0.60)/ D (1.30, 0.60) | D (1.20, 0.60) |
| 6.8 | B (4.50, 2.00) | B (3.40, 1.20) | B (2.90, 1.20) | C (1.90, 0.60) | C (1.90, 0.55) | C (1.70, 0.50)/ D (1.20, 0.35) | C (1.80, 0.900)/ D (1.10, 0.30) | E (0.90, 0.54) |
| 10 | B (3.50, 1.20) | B (2.90, 1.00) | A (3.40, 2.00)/ C (1.80, 0.55) | A (3.00, 1.70)/ B (2.80, 0.80)/ C (1.80, 0.45) | B (2.50, 1.00)/ C (1.70, 0.45) | B (2.30, 1.30)/ C (1.50, 0.45)/ D (1.00, 0.30) | C (1.60, 0.85)/ D (0.80, 0.30) | E (0.80, 0.55) |
| 15 | B (2.90, 1.20) | C (1.80, 0.60) | A (2.90, 2.00)/ C (1.80, 0.50) | B (2.00, 0.80) | D (0.90, 0.30) | C (1.20, 0.425)/ D (0.80, 0.25) | D (0.80, 0.30) | |
| 22 | | A (2.90, 2.00)/ C (1.80, 0.60) | A (2.50, 1.50) | B (1.90, 1.00)/ D (0.80, 0.25) | C (1.20, 0.375)/ D (0.70, 0.225) | D (0.70, 0.20) | D (0.70, 0.40)/ E (0.60, 0.300) | |
| 33 | A (2.90, 1.50)/ C (1.80, 0.50) | B (1.90, 0.60)/ C (1.50, 0.40) | B (1.90, 0.60)/ C (1.40, 0.35)/ D (0.80, 0.25) | B (1.80, 0.50)/ C (1.10, 0.30)/ D (0.70, 0.225) | D (0.70, 0.20) | D (0.70, 0.30)/ E (0.60, 0.20) | | |
| 47 | B (2.50, 0.60)/ C (1.80, 0.40) | B (2.00, 0.55)/ C (1.40, 0.30)/ D (0.80, 0.20) | B (1.80, 0.60)/ C (1.10, 0.30)/ D (0.70, 0.20) | C (1.00, 0.30)/ D (0.70, 0.15) | D (0.70, 0.20)/ E (0.60, 0.15) | D (0.70, 0.35)/ E (0.60, 0.30) | | |
| 68 | D (0.80, 0.175) | D (0.70, 0.20) | D (0.70, 0.15) | D (0.60, 0.15) | D (0.70, 0.175)/ E (0.60, 0.15) | | | |
| 100 | B (1.80, 0.45)/ D (0.70, 0.175) | B (1.70, 0.70)/ D (0.70, 0.14) | C (0.90, 0.20)/ D (0.60, 0.10) | D (0.60, 0.125)/ E (0.60, 0.10) | E (0.50, 0.15) | | | |
| 150 | D (0.60, 0.15) | D (0.60, 0.125)/ E (0.50, 0.10) | D (0.60, 0.10) | E (0.50, 0.15) | | | | |
| 220 | | C (0.70, 0.30)/ D (0.60, 0.10)/ E (0.50, 0.10) | D (0.60, 0.36)/ E (0.50, 0.10) | | | | | |
| 330 | E (0.50, 0.10) | E (0.50, 0.10) | E (0.50, 0.10) | | | | | |
| 470 | | | E (0.50, 0.20) | | | | | |

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

| STANDARD RATINGS | | | | | | | |
|--|-----------|----------------------|--|--|--|---|--|
| 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 _{RMS} (A) | |
| 4 V_{DC} AT + 85 °C; 2.7 V_{DC} AT + 125 °C | | | | | | | |
| 2.2 | A | TL3A225(1)004(2)7600 | 0.25 | 6 | 7.600 | 0.10 | |
| 2.2 | A | TL3A225(1)004(2)6000 | 0.25 | 6 | 6.000 | 0.11 | |
| 3.3 | A | TL3A335(1)004(2)7600 | 0.25 | 6 | 7.600 | 0.10 | |
| 3.3 | A | TL3A335(1)004(2)4000 | 0.25 | 6 | 4.000 | 0.14 | |
| 4.7 | A | TL3A475(1)004(2)6300 | 0.25 | 6 | 6.300 | 0.11 | |
| 4.7 | A | TL3A475(1)004(2)3500 | 0.25 | 6 | 3.500 | 0.15 | |
| 6.8 | B | TL3B685(1)004(2)4500 | 0.25 | 6 | 4.500 | 0.14 | |
| 6.8 | B | TL3B685(1)004(2)2000 | 0.25 | 6 | 2.000 | 0.20 | |
| 10 | B | TL3B106(1)004(2)3500 | 0.25 | 6 | 3.500 | 0.16 | |
| 10 | B | TL3B106(1)004(2)1200 | 0.25 | 6 | 1.200 | 0.27 | |
| 15 | B | TL3B156(1)004(2)2900 | 0.30 | 6 | 2.900 | 0.17 | |
| 15 | B | TL3B156(1)004(2)1200 | 0.30 | 6 | 1.200 | 0.27 | |
| 33 | A | TL3A336(1)004(2)2900 | 0.66 | 6 | 2.900 | 0.16 | |
| 33 | A | TL3A336(1)004(2)1500 | 0.66 | 6 | 1.500 | 0.22 | |
| 33 | C | TL3C336(1)004(2)1800 | 0.66 | 6 | 1.800 | 0.25 | |
| 33 | C | TL3C336(1)004(2)0500 | 0.66 | 6 | 0.500 | 0.47 | |
| 47 | B | TL3B476(1)004(2)2500 | 0.94 | 6 | 2.500 | 0.18 | |
| 47 | B | TL3B476(1)004(2)0600 | 0.94 | 6 | 0.600 | 0.38 | |
| 47 | C | TL3C476(1)004(2)1800 | 0.94 | 6 | 1.800 | 0.25 | |
| 47 | C | TL3C476(1)004(2)0400 | 0.94 | 6 | 0.400 | 0.52 | |
| 68 | D | TL3D686(1)004(2)0800 | 1.36 | 6 | 0.800 | 0.43 | |
| 68 | D | TL3D686(1)004(2)0175 | 1.36 | 6 | 0.175 | 0.93 | |
| 100 | B | TL3B107(1)004(2)1800 | 2.00 | 6 | 1.800 | 0.22 | |
| 100 | B | TL3B107(1)004(2)0450 | 2.00 | 6 | 0.450 | 0.43 | |
| 100 | D | TL3D107(1)004(2)0700 | 2.00 | 6 | 0.700 | 0.46 | |
| 100 | D | TL3D107(1)004(2)0175 | 2.00 | 6 | 0.175 | 0.93 | |
| 150 | D | TL3D157(1)004(2)0600 | 3.00 | 8 | 0.600 | 0.50 | |
| 150 | D | TL3D157(1)004(2)0150 | 3.00 | 8 | 0.150 | 1.00 | |
| 330 | E | TL3E337(1)004(2)0500 | 6.60 | 8 | 0.500 | 0.57 | |
| 330 | E | TL3E337(1)004(2)0100 | 6.60 | 8 | 0.100 | 1.28 | |

Note

- Part number definitions:
 - Capacitance tolerance: K, M
 - Termination and packaging: C, D, E, F



| STANDARD RATINGS | | | | | | |
|--|-----------|----------------------|--|--|---|--|
| CAPACITANCE (μ F) | CASE CODE | PART NUMBER | MAX. DC LEAKAGE AT + 25 °C (μ A) | MAX. DF AT + 25 °C 120 Hz (%) | MAX. ESR AT + 25 °C 100 kHz (Ω) | MAX. RIPPLE 100 kHz I_{RMS} (A) |
| 6 V_{DC} AT + 85 °C; 4 V_{DC} AT + 125 °C | | | | | | |
| 1.5 | A | TL3A155(1)6R3(2)8000 | 0.25 | 6 | 8.000 | 0.10 |
| 1.5 | A | TL3A155(1)6R3(2)6000 | 0.25 | 6 | 6.000 | 0.11 |
| 2.2 | A | TL3A225(1)6R3(2)7600 | 0.25 | 6 | 7.600 | 0.10 |
| 2.2 | A | TL3A225(1)6R3(2)6000 | 0.25 | 6 | 6.000 | 0.11 |
| 3.3 | A | TL3A335(1)6R3(2)6300 | 0.25 | 6 | 6.300 | 0.11 |
| 3.3 | A | TL3A335(1)6R3(2)5000 | 0.25 | 6 | 5.000 | 0.12 |
| 4.7 | A | TL3A475(1)6R3(2)5500 | 0.25 | 6 | 5.500 | 0.12 |
| 4.7 | A | TL3A475(1)6R3(2)3500 | 0.25 | 6 | 3.500 | 0.15 |
| 4.7 | B | TL3B475(1)6R3(2)3400 | 0.25 | 6 | 3.400 | 0.16 |
| 4.7 | B | TL3B475(1)6R3(2)1800 | 0.25 | 6 | 1.800 | 0.22 |
| 6.8 | B | TL3B685(1)6R3(2)3400 | 0.25 | 6 | 3.400 | 0.16 |
| 6.8 | B | TL3B685(1)6R3(2)1200 | 0.25 | 6 | 1.200 | 0.27 |
| 10 | B | TL3B106(1)6R3(2)2900 | 0.30 | 6 | 2.900 | 0.17 |
| 10 | B | TL3B106(1)6R3(2)1000 | 0.3 | 6 | 1.000 | 0.29 |
| 15 | C | TL3C156(1)6R3(2)1800 | 0.45 | 6 | 1.800 | 0.25 |
| 15 | C | TL3C156(1)6R3(2)0600 | 0.45 | 6 | 0.600 | 0.43 |
| 22 | A | TL3A226(1)6R3(2)2900 | 0.66 | 6 | 2.900 | 0.16 |
| 22 | A | TL3A226(1)6R3(2)2000 | 0.66 | 6 | 2.000 | 0.19 |
| 22 | C | TL3C226(1)6R3(2)1800 | 0.66 | 6 | 1.800 | 0.25 |
| 22 | C | TL3C226(1)6R3(2)0600 | 0.66 | 6 | 0.600 | 0.43 |
| 33 | B | TL3B336(1)6R3(2)1900 | 0.99 | 6 | 1.900 | 0.21 |
| 33 | B | TL3B336(1)6R3(2)0600 | 0.99 | 6 | 0.600 | 0.38 |
| 33 | C | TL3C336(1)6R3(2)1500 | 0.99 | 6 | 1.500 | 0.27 |
| 33 | C | TL3C336(1)6R3(2)0400 | 0.99 | 6 | 0.400 | 0.52 |
| 47 | B | TL3B476(1)6R3(2)2000 | 1.41 | 6 | 2.000 | 0.21 |
| 47 | B | TL3B476(1)6R3(2)0550 | 1.41 | 6 | 0.550 | 0.39 |
| 47 | C | TL3C476(1)6R3(2)1400 | 1.41 | 6 | 1.400 | 0.28 |
| 47 | C | TL3C476(1)6R3(2)0300 | 1.41 | 6 | 0.300 | 0.61 |
| 47 | D | TL3D476(1)6R3(2)0800 | 1.41 | 6 | 0.800 | 0.43 |
| 47 | D | TL3D476(1)6R3(2)0200 | 1.41 | 6 | 0.200 | 0.87 |
| 68 | D | TL3D686(1)6R3(2)0700 | 2.04 | 6 | 0.700 | 0.46 |
| 68 | D | TL3D686(1)6R3(2)0200 | 2.04 | 6 | 0.200 | 0.87 |
| 100 | B | TL3B107(1)6R3(2)1700 | 3.00 | 15 | 1.700 | 0.22 |
| 100 | B | TL3B107(1)6R3(2)0700 | 3.00 | 15 | 0.700 | 0.35 |
| 100 | D | TL3D107(1)6R3(2)0700 | 3.00 | 6 | 0.700 | 0.46 |
| 100 | D | TL3D107(1)6R3(2)0140 | 3.00 | 6 | 0.140 | 1.04 |
| 150 | D | TL3D157(1)6R3(2)0600 | 4.50 | 8 | 0.600 | 0.50 |
| 150 | D | TL3D157(1)6R3(2)0125 | 4.50 | 8 | 0.125 | 1.10 |
| 150 | E | TL3E157(1)6R3(2)0500 | 4.50 | 8 | 0.500 | 0.57 |
| 150 | E | TL3E157(1)6R3(2)0100 | 4.50 | 8 | 0.100 | 1.28 |
| 220 | C | TL3C227(1)6R3(2)0700 | 6.60 | 14 | 0.700 | 0.40 |
| 220 | C | TL3C227(1)6R3(2)0300 | 6.60 | 14 | 0.300 | 0.61 |
| 220 | D | TL3D227(1)6R3(2)0600 | 6.60 | 8 | 0.600 | 0.50 |
| 220 | D | TL3D227(1)6R3(2)0100 | 6.60 | 8 | 0.100 | 1.22 |
| 220 | E | TL3E227(1)6R3(2)0500 | 6.60 | 8 | 0.500 | 0.57 |
| 220 | E | TL3E227(1)6R3(2)0100 | 6.60 | 8 | 0.100 | 1.28 |
| 330 | E | TL3E337(1)6R3(2)0500 | 9.90 | 8 | 0.500 | 0.57 |
| 330 | E | TL3E337(1)6R3(2)0100 | 9.90 | 8 | 0.100 | 1.28 |

Note

- Part number definitions:
 - (1) Capacitance tolerance: K, M
 - (2) Termination and packaging: C, D, E, F



| STANDARD RATINGS | | | | | | |
|---|-----------|----------------------|--|--|---|--|
| CAPACITANCE (μ F) | CASE CODE | PART NUMBER | MAX. DC LEAKAGE AT + 25 °C (μ A) | MAX. DF AT + 25 °C 120 Hz (%) | MAX. ESR AT + 25 °C 100 kHz (Ω) | MAX. RIPPLE 100 kHz I_{RMS} (A) |
| 10 V_{DC} AT + 85 °C; 7 V_{DC} AT + 125 °C | | | | | | |
| 1.0 | A | TL3A105(1)010(2)9300 | 0.25 | 4 | 9.300 | 0.09 |
| 1.0 | A | TL3A105(1)010(2)6000 | 0.25 | 4 | 6.000 | 0.11 |
| 1.5 | A | TL3A155(1)010(2)8000 | 0.25 | 6 | 8.000 | 0.10 |
| 1.5 | A | TL3A155(1)010(2)6000 | 0.25 | 6 | 6.000 | 0.11 |
| 3.3 | B | TL3B335(1)010(2)3500 | 0.25 | 6 | 3.500 | 0.16 |
| 3.3 | B | TL3B335(1)010(2)2500 | 0.25 | 6 | 2.500 | 0.18 |
| 4.7 | A | TL3A475(1)010(2)5000 | 0.25 | 6 | 5.000 | 0.12 |
| 4.7 | A | TL3A475(1)010(2)3000 | 0.25 | 6 | 3.000 | 0.16 |
| 4.7 | B | TL3B475(1)010(2)3400 | 0.25 | 6 | 3.400 | 0.16 |
| 4.7 | B | TL3B475(1)010(2)1500 | 0.25 | 6 | 1.500 | 0.24 |
| 6.8 | B | TL3B685(1)010(2)2900 | 0.34 | 6 | 2.900 | 0.17 |
| 6.8 | B | TL3B685(1)010(2)1200 | 0.34 | 6 | 1.200 | 0.27 |
| 10 | A | TL3A106(1)010(2)3400 | 0.50 | 6 | 3.400 | 0.15 |
| 10 | A | TL3A106(1)010(2)2000 | 0.50 | 6 | 2.000 | 0.19 |
| 10 | C | TL3C106(1)010(2)1800 | 0.50 | 6 | 1.800 | 0.25 |
| 10 | C | TL3C106(1)010(2)0550 | 0.50 | 6 | 0.550 | 0.45 |
| 15 | A | TL3A156(1)010(2)2900 | 0.75 | 6 | 2.900 | 0.16 |
| 15 | A | TL3A156(1)010(2)2000 | 0.75 | 6 | 2.000 | 0.19 |
| 15 | C | TL3C156(1)010(2)1800 | 0.75 | 6 | 1.800 | 0.25 |
| 15 | C | TL3C156(1)010(2)0500 | 0.75 | 6 | 0.500 | 0.47 |
| 22 | A | TL3A226(1)010(2)2500 | 1.10 | 8 | 2.500 | 0.17 |
| 22 | A | TL3A226(1)010(2)1500 | 1.10 | 8 | 1.500 | 0.22 |
| 33 | B | TL3B336(1)010(2)1900 | 1.65 | 6 | 1.900 | 0.21 |
| 33 | B | TL3B336(1)010(2)0600 | 1.65 | 6 | 0.600 | 0.38 |
| 33 | C | TL3C336(1)010(2)1400 | 1.65 | 6 | 1.400 | 0.28 |
| 33 | C | TL3C336(1)010(2)0350 | 1.65 | 6 | 0.350 | 0.56 |
| 33 | D | TL3D336(1)010(2)0800 | 1.65 | 6 | 0.800 | 0.43 |
| 33 | D | TL3D336(1)010(2)0250 | 1.65 | 6 | 0.250 | 0.77 |
| 47 | B | TL3B476(1)010(2)1800 | 2.35 | 6 | 1.800 | 0.22 |
| 47 | B | TL3B476(1)010(2)0600 | 2.35 | 6 | 0.600 | 0.38 |
| 47 | C | TL3C476(1)010(2)1100 | 2.35 | 6 | 1.100 | 0.32 |
| 47 | C | TL3C476(1)010(2)0300 | 2.35 | 6 | 0.300 | 0.61 |
| 47 | D | TL3D476(1)010(2)0700 | 2.35 | 6 | 0.700 | 0.46 |
| 47 | D | TL3D476(1)010(2)0200 | 2.35 | 6 | 0.200 | 0.87 |
| 68 | D | TL3D686(1)010(2)0700 | 3.40 | 6 | 0.700 | 0.46 |
| 68 | D | TL3D686(1)010(2)0150 | 3.40 | 6 | 0.150 | 1.00 |
| 100 | C | TL3C107(1)010(2)0900 | 5.00 | 8 | 0.900 | 0.35 |
| 100 | C | TL3C107(1)010(2)0200 | 5.00 | 8 | 0.200 | 0.74 |
| 100 | D | TL3D107(1)010(2)0600 | 5.00 | 8 | 0.600 | 0.50 |
| 100 | D | TL3D107(1)010(2)0100 | 5.00 | 8 | 0.100 | 1.22 |
| 150 | D | TL3D157(1)010(2)0600 | 7.50 | 8 | 0.600 | 0.50 |
| 150 | D | TL3D157(1)010(2)0100 | 7.50 | 8 | 0.100 | 1.22 |
| 220 | D | TL3D227(1)010(2)0600 | 11.00 | 8 | 0.600 | 0.50 |
| 220 | D | TL3D227(1)010(2)0360 | 11.00 | 8 | 0.360 | 0.65 |
| 220 | E | TL3E227(1)010(2)0500 | 11.00 | 8 | 0.500 | 0.57 |
| 220 | E | TL3E227(1)010(2)0100 | 11.00 | 8 | 0.100 | 1.28 |
| 330 | E | TL3E337(1)010(2)0500 | 16.50 | 10 | 0.500 | 0.57 |
| 330 | E | TL3E337(1)010(2)0100 | 16.50 | 10 | 0.100 | 1.28 |
| 470 | E | TL3E477(1)010(2)0500 | 23.50 | 15 | 0.500 | 0.57 |
| 470 | E | TL3E477(1)010(2)0200 | 23.50 | 15 | 0.200 | 0.91 |

Note

- Part number definitions:
 - Capacitance tolerance: K, M
 - Termination and packaging: C, D, E, F



| STANDARD RATINGS | | | | | | |
|--|-----------|----------------------|--|--|---|--|
| CAPACITANCE (μ F) | CASE CODE | PART NUMBER | MAX. DC LEAKAGE AT + 25 °C (μ A) | MAX. DF AT + 25 °C 120 Hz (%) | MAX. ESR AT + 25 °C 100 kHz (Ω) | MAX. RIPPLE 100 kHz I_{RMS} (A) |
| 16 V_{DC} AT + 85 °C; 10 V_{DC} AT + 125 °C | | | | | | |
| 0.68 | A | TL3A684(1)016(2)11R0 | 0.25 | 4 | 11.000 | 0.08 |
| 0.68 | A | TL3A684(1)016(2)8000 | 0.25 | 4 | 8.000 | 0.10 |
| 1.0 | A | TL3A105(1)016(2)9300 | 0.25 | 4 | 9.300 | 0.09 |
| 1.0 | A | TL3A105(1)016(2)6000 | 0.25 | 4 | 6.000 | 0.11 |
| 1.5 | A | TL3A155(1)016(2)8000 | 0.25 | 6 | 8.000 | 0.10 |
| 1.5 | A | TL3A155(1)016(2)6000 | 0.25 | 6 | 6.000 | 0.11 |
| 2.2 | B | TL3B225(1)016(2)4600 | 0.25 | 6 | 4.600 | 0.14 |
| 2.2 | B | TL3B225(1)016(2)2500 | 0.25 | 6 | 2.500 | 0.18 |
| 3.3 | B | TL3B335(1)016(2)3500 | 0.26 | 6 | 3.500 | 0.16 |
| 3.3 | B | TL3B335(1)016(2)2000 | 0.26 | 6 | 2.000 | 0.21 |
| 4.7 | A | TL3A475(1)016(2)5000 | 0.38 | 6 | 5.000 | 0.12 |
| 4.7 | A | TL3A475(1)016(2)3500 | 0.38 | 6 | 3.500 | 0.15 |
| 4.7 | B | TL3B475(1)016(2)2900 | 0.38 | 6 | 2.900 | 0.17 |
| 4.7 | B | TL3B475(1)016(2)1500 | 0.38 | 6 | 1.500 | 0.24 |
| 6.8 | C | TL3C685(1)016(2)1900 | 0.54 | 6 | 1.900 | 0.24 |
| 6.8 | C | TL3C685(1)016(2)0600 | 0.54 | 6 | 0.600 | 0.43 |
| 10 | A | TL3A106(1)016(2)3000 | 0.80 | 6 | 3.000 | 0.16 |
| 10 | A | TL3A106(1)016(2)1700 | 0.80 | 6 | 1.700 | 0.21 |
| 10 | B | TL3B106(1)016(2)2800 | 0.80 | 6 | 2.800 | 0.17 |
| 10 | B | TL3B106(1)016(2)0800 | 0.80 | 6 | 0.800 | 0.33 |
| 10 | C | TL3C106(1)016(2)1800 | 0.80 | 6 | 1.800 | 0.25 |
| 10 | C | TL3C106(1)016(2)0450 | 0.80 | 6 | 0.450 | 0.49 |
| 15 | B | TL3B156(1)016(2)2000 | 1.20 | 6 | 2.000 | 0.21 |
| 15 | B | TL3B156(1)016(2)0800 | 1.20 | 6 | 0.800 | 0.33 |
| 22 | B | TL3B226(1)016(2)1900 | 1.76 | 6 | 1.900 | 0.21 |
| 22 | B | TL3B226(1)016(2)1000 | 1.76 | 6 | 1.000 | 0.29 |
| 22 | D | TL3D226(1)016(2)0800 | 1.76 | 6 | 0.800 | 0.43 |
| 22 | D | TL3D226(1)016(2)0250 | 1.76 | 6 | 0.250 | 0.77 |
| 33 | B | TL3B336(1)016(2)1800 | 2.64 | 6 | 1.800 | 0.22 |
| 33 | B | TL3B336(1)016(2)0500 | 2.64 | 6 | 0.500 | 0.41 |
| 33 | C | TL3C336(1)016(2)1100 | 2.64 | 6 | 1.100 | 1.05 |
| 33 | C | TL3C336(1)016(2)0300 | 2.64 | 6 | 0.300 | 0.61 |
| 33 | D | TL3D336(1)016(2)0700 | 2.64 | 6 | 0.700 | 0.46 |
| 33 | D | TL3D336(1)016(2)0225 | 2.64 | 6 | 0.225 | 0.82 |
| 47 | C | TL3C476(1)016(2)1000 | 3.76 | 6 | 1.000 | 0.33 |
| 47 | C | TL3C476(1)016(2)0300 | 3.76 | 6 | 0.300 | 0.61 |
| 47 | D | TL3D476(1)016(2)0700 | 3.76 | 6 | 0.700 | 0.46 |
| 47 | D | TL3D476(1)016(2)0150 | 3.76 | 6 | 0.150 | 1.00 |
| 68 | D | TL3D686(1)016(2)0600 | 5.44 | 6 | 0.600 | 0.50 |
| 68 | D | TL3D686(1)016(2)0150 | 5.44 | 6 | 0.150 | 1.00 |
| 100 | D | TL3D107(1)016(2)0600 | 8.00 | 8 | 0.600 | 0.50 |
| 100 | D | TL3D107(1)016(2)0125 | 8.00 | 8 | 0.125 | 1.10 |
| 100 | E | TL3E107(1)016(2)0600 | 8.00 | 8 | 0.600 | 0.52 |
| 100 | E | TL3E107(1)016(2)0100 | 8.00 | 8 | 0.100 | 1.28 |
| 150 | E | TL3E157(1)016(2)0500 | 12.00 | 8 | 0.500 | 0.57 |
| 150 | E | TL3E157(1)016(2)0150 | 12.00 | 8 | 0.150 | 1.28 |

Note

- Part number definitions:
 - Capacitance tolerance: K, M
 - Termination and packaging: C, D, E, F



| STANDARD RATINGS | | | | | | |
|--|-----------|----------------------|--|--|---|--|
| CAPACITANCE (μ F) | CASE CODE | PART NUMBER | MAX. DC LEAKAGE AT + 25 °C (μ A) | MAX. DF AT + 25 °C 120 Hz (%) | MAX. ESR AT + 25 °C 100 kHz (Ω) | MAX. RIPPLE 100 kHz I_{RMS} (A) |
| 20 V_{DC} AT + 85 °C; 13 V_{DC} AT + 125 °C | | | | | | |
| 0.47 | A | TL3A474(1)020(2)12R0 | 0.25 | 4 | 12.000 | 0.08 |
| 0.47 | A | TL3A474(1)020(2)9000 | 0.25 | 4 | 9.000 | 0.09 |
| 0.68 | A | TL3A684(1)020(2)10R0 | 0.25 | 4 | 10.000 | 0.09 |
| 0.68 | A | TL3A684(1)020(2)8000 | 0.25 | 4 | 8.000 | 0.10 |
| 1.0 | A | TL3A105(1)020(2)8400 | 0.25 | 4 | 8.400 | 0.09 |
| 1.0 | A | TL3A105(1)020(2)5500 | 0.25 | 4 | 5.500 | 0.12 |
| 1.5 | B | TL3B155(1)020(2)4600 | 0.25 | 6 | 4.600 | 0.14 |
| 1.5 | B | TL3B155(1)020(2)2500 | 0.25 | 6 | 2.500 | 0.18 |
| 2.2 | A | TL3A225(1)020(2)5900 | 0.25 | 6 | 5.900 | 0.11 |
| 2.2 | A | TL3A225(1)020(2)4000 | 0.25 | 6 | 4.000 | 0.14 |
| 2.2 | B | TL3B225(1)020(2)3500 | 0.25 | 6 | 3.500 | 0.16 |
| 2.2 | B | TL3B225(1)020(2)1500 | 0.25 | 6 | 1.500 | 0.24 |
| 3.3 | B | TL3B335(1)020(2)3000 | 0.33 | 6 | 3.000 | 0.17 |
| 3.3 | B | TL3B335(1)020(2)1300 | 0.33 | 6 | 1.300 | 0.26 |
| 4.7 | A | TL3A475(1)020(2)5500 | 0.47 | 6 | 5.500 | 0.12 |
| 4.7 | A | TL3A475(1)020(2)3500 | 0.47 | 6 | 3.500 | 0.15 |
| 4.7 | B | TL3B475(1)020(2)2900 | 0.47 | 6 | 2.900 | 0.17 |
| 4.7 | B | TL3B475(1)020(2)1000 | 0.47 | 6 | 1.000 | 0.29 |
| 4.7 | C | TL3C475(1)020(2)2300 | 0.47 | 6 | 2.300 | 0.22 |
| 4.7 | C | TL3C475(1)020(2)0600 | 0.47 | 6 | 0.600 | 0.43 |
| 6.8 | C | TL3C685(1)020(2)1900 | 0.68 | 6 | 1.900 | 0.24 |
| 6.8 | C | TL3C685(1)020(2)0550 | 0.68 | 6 | 0.550 | 0.45 |
| 10 | B | TL3B106(1)020(2)2500 | 1.00 | 6 | 2.500 | 0.18 |
| 10 | B | TL3B106(1)020(2)1000 | 1.00 | 6 | 1.000 | 0.29 |
| 10 | C | TL3C106(1)020(2)1700 | 1.00 | 6 | 1.700 | 0.25 |
| 10 | C | TL3C106(1)020(2)0450 | 1.00 | 6 | 0.450 | 0.49 |
| 15 | D | TL3D156(1)020(2)0900 | 1.50 | 6 | 0.900 | 0.41 |
| 15 | D | TL3D156(1)020(2)0300 | 1.50 | 6 | 0.300 | 0.71 |
| 22 | C | TL3C226(1)020(2)1200 | 2.20 | 6 | 1.200 | 0.30 |
| 22 | C | TL3C226(1)020(2)0375 | 2.20 | 6 | 0.375 | 0.54 |
| 22 | D | TL3D226(1)020(2)0700 | 2.20 | 6 | 0.700 | 0.46 |
| 22 | D | TL3D226(1)020(2)0225 | 2.20 | 6 | 0.225 | 0.82 |
| 33 | D | TL3D336(1)020(2)0700 | 3.30 | 6 | 0.700 | 0.46 |
| 33 | D | TL3D336(1)020(2)0200 | 3.30 | 6 | 0.200 | 0.87 |
| 47 | D | TL3D476(1)020(2)0700 | 4.70 | 6 | 0.700 | 0.46 |
| 47 | D | TL3D476(1)020(2)0200 | 4.70 | 6 | 0.200 | 0.87 |
| 47 | E | TL3E476(1)020(2)0600 | 4.70 | 6 | 0.600 | 0.52 |
| 47 | E | TL3E476(1)020(2)0150 | 4.70 | 6 | 0.150 | 1.05 |
| 68 | D | TL3D686(1)020(2)0700 | 6.80 | 6 | 0.700 | 0.46 |
| 68 | D | TL3D686(1)020(2)0175 | 6.80 | 6 | 0.175 | 0.93 |
| 68 | E | TL3E686(1)020(2)0600 | 6.80 | 6 | 0.600 | 0.52 |
| 68 | E | TL3E686(1)020(2)0150 | 6.80 | 6 | 0.150 | 1.05 |
| 100 | E | TL3E107(1)020(2)0500 | 10.00 | 8 | 0.500 | 0.57 |
| 100 | E | TL3E107(1)020(2)0150 | 10.00 | 8 | 0.150 | 1.05 |

Note

- Part number definitions:
 - Capacitance tolerance: K, M
 - Termination and packaging: C, D, E, F



| STANDARD RATINGS | | | | | | |
|--|-----------|----------------------|--|--|---|--|
| CAPACITANCE (μ F) | CASE CODE | PART NUMBER | MAX. DC LEAKAGE AT + 25 °C (μ A) | MAX. DF AT + 25 °C 120 Hz (%) | MAX. ESR AT + 25 °C 100 kHz (Ω) | MAX. RIPPLE 100 kHz I_{RMS} (A) |
| 25 V_{DC} AT + 85 °C; 17 V_{DC} AT + 125 °C | | | | | | |
| 0.33 | A | TL3A334(1)025(2)14R0 | 0.25 | 4 | 14.000 | 0.07 |
| 0.33 | A | TL3A334(1)025(2)10R0 | 0.25 | 4 | 10.000 | 0.09 |
| 0.47 | A | TL3A474(1)025(2)12R0 | 0.25 | 4 | 12.000 | 0.08 |
| 0.47 | A | TL3A474(1)025(2)9000 | 0.25 | 4 | 9.000 | 0.09 |
| 0.68 | B | TL3B684(1)025(2)7000 | 0.25 | 4 | 7.000 | 0.11 |
| 0.68 | B | TL3B684(1)025(2)5000 | 0.25 | 4 | 5.000 | 0.13 |
| 1.0 | A | TL3A105(1)025(2)7600 | 0.25 | 4 | 7.600 | 0.10 |
| 1.0 | A | TL3A105(1)025(2)4000 | 0.25 | 4 | 4.000 | 0.14 |
| 1.0 | B | TL3B105(1)025(2)5000 | 0.25 | 4 | 5.000 | 0.13 |
| 1.0 | B | TL3B105(1)025(2)2000 | 0.25 | 4 | 2.000 | 0.21 |
| 1.5 | B | TL3B155(1)025(2)4600 | 0.25 | 6 | 4.600 | 0.14 |
| 1.5 | B | TL3B155(1)025(2)2000 | 0.25 | 6 | 2.000 | 0.21 |
| 2.2 | A | TL3A225(1)025(2)6300 | 0.28 | 6 | 6.300 | 0.11 |
| 2.2 | A | TL3A225(1)025(2)4000 | 0.28 | 6 | 4.000 | 0.14 |
| 2.2 | B | TL3B225(1)025(2)3800 | 0.28 | 6 | 3.800 | 0.15 |
| 2.2 | B | TL3B225(1)025(2)2300 | 0.28 | 6 | 2.300 | 0.19 |
| 2.2 | C | TL3C225(1)025(2)2900 | 0.28 | 6 | 2.900 | 0.19 |
| 2.2 | C | TL3C225(1)025(2)1000 | 0.28 | 6 | 1.000 | 0.33 |
| 3.3 | B | TL3B335(1)025(2)3100 | 0.41 | 6 | 3.100 | 0.17 |
| 3.3 | B | TL3B335(1)025(2)1500 | 0.41 | 6 | 1.500 | 0.24 |
| 3.3 | C | TL3C335(1)025(2)2300 | 0.41 | 6 | 2.300 | 0.22 |
| 3.3 | C | TL3C335(1)025(2)1000 | 0.41 | 6 | 1.000 | 0.33 |
| 4.7 | B | TL3B475(1)025(2)2800 | 0.59 | 6 | 2.800 | 0.17 |
| 4.7 | B | TL3B475(1)025(2)1500 | 0.59 | 6 | 1.500 | 0.24 |
| 4.7 | C | TL3C475(1)025(2)2000 | 0.59 | 6 | 2.000 | 0.23 |
| 4.7 | C | TL3C475(1)025(2)0525 | 0.59 | 6 | 0.525 | 0.46 |
| 6.8 | C | TL3C685(1)025(2)1700 | 0.85 | 6 | 1.700 | 0.25 |
| 6.8 | C | TL3C685(1)025(2)0500 | 0.85 | 6 | 0.500 | 0.47 |
| 6.8 | D | TL3D685(1)025(2)1200 | 0.85 | 6 | 1.200 | 0.35 |
| 6.8 | D | TL3D685(1)025(2)0350 | 0.85 | 6 | 0.350 | 0.65 |
| 10 | B | TL3B106(1)025(2)2300 | 1.25 | 6 | 2.300 | 0.19 |
| 10 | B | TL3B106(1)025(2)1300 | 1.25 | 6 | 1.300 | 0.26 |
| 10 | C | TL3C106(1)025(2)1500 | 1.25 | 6 | 1.500 | 0.27 |
| 10 | C | TL3C106(1)025(2)0450 | 1.25 | 6 | 0.450 | 0.49 |
| 10 | D | TL3D106(1)025(2)1000 | 1.25 | 6 | 1.000 | 0.39 |
| 10 | D | TL3D106(1)025(2)0300 | 1.25 | 6 | 0.300 | 0.71 |
| 15 | C | TL3C156(1)025(2)1200 | 1.88 | 6 | 1.200 | 0.30 |
| 15 | C | TL3C156(1)025(2)0425 | 1.88 | 6 | 0.425 | 0.51 |
| 15 | D | TL3D156(1)025(2)0800 | 1.88 | 6 | 0.800 | 0.43 |
| 15 | D | TL3D156(1)025(2)0250 | 1.88 | 6 | 0.250 | 0.77 |
| 22 | D | TL3D226(1)025(2)0700 | 2.75 | 6 | 0.700 | 0.46 |
| 22 | D | TL3D226(1)025(2)0200 | 2.75 | 6 | 0.200 | 0.87 |
| 33 | D | TL3D336(1)025(2)0700 | 4.13 | 6 | 0.700 | 0.46 |
| 33 | D | TL3D336(1)025(2)0300 | 4.13 | 6 | 0.300 | 0.71 |
| 33 | E | TL3E336(1)025(2)0600 | 4.13 | 6 | 0.600 | 0.52 |
| 33 | E | TL3E336(1)025(2)0200 | 4.13 | 6 | 0.200 | 0.91 |
| 47 | D | TL3D476(1)025(2)0700 | 5.88 | 8 | 0.700 | 0.46 |
| 47 | D | TL3D476(1)025(2)0350 | 5.88 | 8 | 0.350 | 0.65 |
| 47 | E | TL3E476(1)025(2)0600 | 5.88 | 6 | 0.600 | 0.52 |
| 47 | E | TL3E476(1)025(2)0300 | 5.88 | 6 | 0.300 | 0.74 |

Note

- Part number definitions:
 - (1) Capacitance tolerance: K, M
 - (2) Termination and packaging: C, D, E, F



| STANDARD RATINGS | | | | | | |
|--|-----------|----------------------|--|--|---|--|
| CAPACITANCE (μ F) | CASE CODE | PART NUMBER | MAX. DC LEAKAGE AT + 25 °C (μ A) | MAX. DF AT + 25 °C 120 Hz (%) | MAX. ESR AT + 25 °C 100 kHz (Ω) | MAX. RIPPLE 100 kHz I_{RMS} (A) |
| 35 V_{DC} AT + 85 °C; 23 V_{DC} AT + 125 °C | | | | | | |
| 0.10 | A | TL3A104(1)035(2)20R0 | 0.25 | 4 | 20.000 | 0.06 |
| 0.10 | A | TL3A104(1)035(2)10R0 | 0.25 | 4 | 10.000 | 0.09 |
| 0.15 | A | TL3A154(1)035(2)18R0 | 0.25 | 4 | 18.000 | 0.06 |
| 0.15 | A | TL3A154(1)035(2)6000 | 0.25 | 4 | 6.000 | 0.11 |
| 0.22 | A | TL3A224(1)035(2)15R0 | 0.25 | 4 | 15.000 | 0.07 |
| 0.22 | A | TL3A224(1)035(2)6000 | 0.25 | 4 | 6.000 | 0.11 |
| 0.33 | A | TL3A334(1)035(2)13R0 | 0.25 | 4 | 13.000 | 0.08 |
| 0.33 | A | TL3A334(1)035(2)6000 | 0.25 | 4 | 6.000 | 0.11 |
| 0.47 | A | TL3A474(1)035(2)10R0 | 0.25 | 4 | 10.000 | 0.09 |
| 0.47 | A | TL3A474(1)035(2)4000 | 0.25 | 4 | 4.000 | 0.14 |
| 0.47 | B | TL3B474(1)035(2)8000 | 0.25 | 4 | 8.000 | 0.10 |
| 0.47 | B | TL3B474(1)035(2)2500 | 0.25 | 4 | 2.500 | 0.33 |
| 0.68 | B | TL3B684(1)035(2)6500 | 0.25 | 4 | 6.500 | 0.11 |
| 0.68 | B | TL3B684(1)035(2)2500 | 0.25 | 4 | 2.500 | 0.18 |
| 1.0 | A | TL3A105(1)035(2)7500 | 0.25 | 4 | 7.500 | 0.10 |
| 1.0 | A | TL3A105(1)035(2)6000 | 0.25 | 4 | 6.000 | 0.11 |
| 1.0 | B | TL3B105(1)035(2)5000 | 0.25 | 4 | 5.000 | 0.13 |
| 1.0 | B | TL3B105(1)035(2)2000 | 0.25 | 4 | 2.000 | 0.21 |
| 1.5 | B | TL3B155(1)035(2)4200 | 0.26 | 6 | 4.200 | 0.14 |
| 1.5 | B | TL3B155(1)035(2)3000 | 0.26 | 6 | 3.000 | 0.17 |
| 1.5 | C | TL3C155(1)035(2)3800 | 0.26 | 6 | 3.800 | 0.17 |
| 1.5 | C | TL3C155(1)035(2)1500 | 0.26 | 6 | 1.500 | 0.27 |
| 2.2 | B | TL3B225(1)035(2)3800 | 0.39 | 6 | 3.800 | 0.15 |
| 2.2 | B | TL3B225(1)035(2)2300 | 0.39 | 6 | 2.300 | 0.19 |
| 2.2 | C | TL3C225(1)035(2)2900 | 0.39 | 6 | 2.900 | 0.19 |
| 2.2 | C | TL3C225(1)035(2)0900 | 0.39 | 6 | 0.900 | 0.35 |
| 3.3 | B | TL3B335(1)035(2)3500 | 0.58 | 6 | 3.500 | 0.16 |
| 3.3 | B | TL3B335(1)035(2)1500 | 0.58 | 6 | 1.500 | 0.24 |
| 3.3 | C | TL3C335(1)035(2)2100 | 0.58 | 6 | 2.100 | 0.23 |
| 3.3 | C | TL3C335(1)035(2)0700 | 0.58 | 6 | 0.700 | 0.40 |
| 4.7 | C | TL3C475(1)035(2)1900 | 0.82 | 6 | 1.900 | 0.24 |
| 4.7 | C | TL3C475(1)035(2)0600 | 0.82 | 6 | 0.600 | 0.43 |
| 4.7 | D | TL3D475(1)035(2)1300 | 0.82 | 6 | 1.300 | 0.34 |
| 4.7 | D | TL3D475(1)035(2)0600 | 0.82 | 6 | 0.600 | 0.50 |
| 6.8 | C | TL3C685(1)035(2)1800 | 1.19 | 6 | 1.800 | 0.25 |
| 6.8 | C | TL3C685(1)035(2)0900 | 1.19 | 6 | 0.900 | 0.35 |
| 6.8 | D | TL3D685(1)035(2)1100 | 1.19 | 6 | 1.100 | 0.37 |
| 6.8 | D | TL3D685(1)035(2)0300 | 1.19 | 6 | 0.300 | 0.71 |
| 10 | C | TL3C106(1)035(2)1600 | 1.75 | 6 | 1.600 | 0.26 |
| 10 | C | TL3C106(1)035(2)0850 | 1.75 | 6 | 0.850 | 0.36 |
| 10 | D | TL3D106(1)035(2)0800 | 1.75 | 6 | 0.800 | 0.43 |
| 10 | D | TL3D106(1)035(2)0300 | 1.75 | 6 | 0.300 | 0.71 |
| 15 | D | TL3D156(1)035(2)0800 | 2.63 | 6 | 0.800 | 0.43 |
| 15 | D | TL3D156(1)035(2)0400 | 2.63 | 6 | 0.400 | 0.61 |
| 22 | D | TL3D226(1)035(2)0600 | 3.85 | 6 | 0.600 | 0.50 |
| 22 | D | TL3D226(1)035(2)0400 | 3.85 | 6 | 0.400 | 0.61 |
| 22 | E | TL3E226(1)035(2)0600 | 3.85 | 6 | 0.600 | 0.52 |
| 22 | E | TL3E226(1)035(2)0300 | 3.85 | 6 | 0.300 | 0.74 |

Note

- Part number definitions:
 - Capacitance tolerance: K, M
 - Termination and packaging: C, D, E, F



| STANDARD RATINGS | | | | | | |
|--|-----------|----------------------|--|--|---|--|
| CAPACITANCE (μ F) | CASE CODE | PART NUMBER | MAX. DC LEAKAGE AT + 25 °C (μ A) | MAX. DF AT + 25 °C 120 Hz (%) | MAX. ESR AT + 25 °C 100 kHz (Ω) | MAX. RIPPLE 100 kHz I_{RMS} (A) |
| 50 V_{DC} AT + 85 °C; 33 V_{DC} AT + 125 °C | | | | | | |
| 0.10 | A | TL3A104(1)050(2)19R0 | 0.25 | 4 | 19.000 | 0.06 |
| 0.10 | A | TL3A104(1)050(2)10R0 | 0.25 | 4 | 10.000 | 0.09 |
| 0.15 | A | TL3A154(1)050(2)17R0 | 0.25 | 4 | 17.000 | 0.07 |
| 0.15 | A | TL3A154(1)050(2)10R0 | 0.25 | 4 | 10.000 | 0.09 |
| 0.15 | B | TL3B154(1)050(2)14R0 | 0.25 | 4 | 14.000 | 0.08 |
| 0.15 | B | TL3B154(1)050(2)9000 | 0.25 | 4 | 9.000 | 0.10 |
| 0.22 | B | TL3B224(1)050(2)12R0 | 0.25 | 4 | 12.000 | 0.08 |
| 0.22 | B | TL3B224(1)050(2)8500 | 0.25 | 4 | 8.500 | 0.10 |
| 0.33 | B | TL3B334(1)050(2)10R0 | 0.25 | 4 | 10.000 | 0.09 |
| 0.33 | B | TL3B334(1)050(2)4500 | 0.25 | 4 | 4.500 | 0.14 |
| 0.47 | B | TL3B474(1)050(2)8400 | 0.25 | 4 | 8.400 | 0.10 |
| 0.47 | B | TL3B474(1)050(2)4000 | 0.25 | 4 | 4.000 | 0.15 |
| 0.47 | C | TL3C474(1)050(2)6700 | 0.25 | 4 | 6.700 | 0.13 |
| 0.47 | C | TL3C474(1)050(2)1800 | 0.25 | 4 | 1.800 | 0.25 |
| 0.68 | C | TL3C684(1)050(2)5900 | 0.25 | 4 | 5.900 | 0.14 |
| 0.68 | C | TL3C684(1)050(2)1600 | 0.25 | 4 | 1.600 | 0.26 |
| 1.0 | B | TL3B105(1)050(2)6700 | 0.25 | 4 | 6.700 | 0.11 |
| 1.0 | B | TL3B105(1)050(2)2000 | 0.25 | 4 | 2.000 | 0.21 |
| 1.0 | C | TL3C105(1)050(2)4600 | 0.25 | 4 | 4.600 | 0.15 |
| 1.0 | C | TL3C105(1)050(2)1600 | 0.25 | 4 | 1.600 | 0.26 |
| 1.5 | C | TL3C155(1)050(2)3400 | 0.38 | 6 | 3.400 | 0.18 |
| 1.5 | C | TL3C155(1)050(2)1500 | 0.38 | 6 | 1.500 | 0.27 |
| 1.5 | D | TL3D155(1)050(2)2900 | 0.38 | 6 | 2.900 | 0.23 |
| 1.5 | D | TL3D155(1)050(2)1000 | 0.375 | 6 | 1.000 | 0.39 |
| 2.2 | C | TL3C225(1)050(2)2900 | 0.55 | 6 | 2.900 | 0.19 |
| 2.2 | C | TL3C225(1)050(2)1500 | 0.55 | 6 | 1.500 | 0.27 |
| 2.2 | D | TL3D225(1)050(2)2100 | 0.55 | 6 | 2.100 | 0.27 |
| 2.2 | D | TL3D225(1)050(2)0800 | 0.55 | 6 | 0.800 | 0.43 |
| 3.3 | D | TL3D335(1)050(2)1700 | 0.83 | 6 | 1.700 | 0.30 |
| 3.3 | D | TL3D335(1)050(2)0800 | 0.83 | 6 | 0.800 | 0.43 |
| 4.7 | D | TL3D475(1)050(2)1200 | 1.18 | 6 | 1.200 | 0.35 |
| 4.7 | D | TL3D475(1)050(2)0600 | 1.18 | 6 | 0.600 | 0.50 |
| 6.8 | E | TL3E685(1)050(2)0900 | 1.70 | 6 | 0.900 | 0.43 |
| 6.8 | E | TL3E685(1)050(2)0540 | 1.70 | 6 | 0.540 | 0.55 |
| 10 | E | TL3E106(1)050(2)0800 | 2.50 | 6 | 0.800 | 0.45 |
| 10 | E | TL3E106(1)050(2)0550 | 2.50 | 6 | 0.550 | 0.55 |

Note

- Part number definitions:
 - Capacitance tolerance: K, M
 - Termination and packaging: C, D, E, F



RECOMMENDED VOLTAGE DERATING GUIDELINES (for temperatures below + 85 °C)

| STANDARD CONDITIONS. FOR EXAMPLE: OUTPUT FILTERS | |
|--|-------------------|
| Capacitor Voltage Rating | Operating Voltage |
| 4.0 | 2.5 |
| 6.3 | 3.3 |
| 10 | 5.0 |
| 16 | 8.0 |
| 20 | 10 |
| 25 | 12 |
| 35 | 15 |
| 50 | 24 |
| 63 | 32 |
| SEVERE CONDITIONS. FOR EXAMPLE: INPUT FILTERS | |
| Capacitor Voltage Rating | Operating Voltage |
| 4.0 | 2.5 |
| 6.3 | 3.6 |
| 10 | 6.0 |
| 16 | 10 |
| 20 | 12 |
| 25 | 15 |
| 35 | 24 |
| 50 | 28 |
| 63 | 38 |

POWER DISSIPATION

| CASE CODE | MAXIMUM PERMISSIBLE POWER DISSIPATION AT + 25 °C (W) IN FREE AIR |
|-----------|--|
| A | 0.075 |
| B | 0.085 |
| C | 0.110 |
| D | 0.150 |
| E | 0.165 |

STANDARD PACKAGING QUANTITY

| CASE CODE | UNITS PER REEL | |
|-----------|----------------|----------|
| | 7" REEL | 13" REEL |
| A | 2000 | 9000 |
| B | 2000 | 8000 |
| C | 500 | 3000 |
| D | 500 | 2500 |
| E | 400 | 1500 |

PRODUCT INFORMATION

| Guide for Molded Tantalum Capacitors | www.vishay.com/doc?40074 |
|--------------------------------------|--|
| Pad Dimensions | |
| Packaging Dimensions | |
| Moisture Sensitivity | www.vishay.com/doc?40135 |
| SELECTOR GUIDES | |
| Solid Tantalum Selector Guide | www.vishay.com/doc?49053 |
| Solid Tantalum Chip Capacitors | www.vishay.com/doc?40091 |
| FAQ | |
| Frequently Asked Questions | www.vishay.com/doc?40110 |



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Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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