

## Solid Tantalum Chip Capacitors TANTAMOUNT® Low ESR, Molded Case



### FEATURES

- Terminations: 100 % Tin, standard SnPb available
- Molded case available in five 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 & E Case Sizes)



**RoHS\***  
COMPLIANT

### PERFORMANCE/ELECTRICAL CHARACTERISTICS

**Operating Temperature:** - 55 °C to + 85 °C  
(To + 125 °C with voltage derating)

**NOTE:** Refer to doc. 40088

**Capacitance Range:** 0.47 µF to 680 µF

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

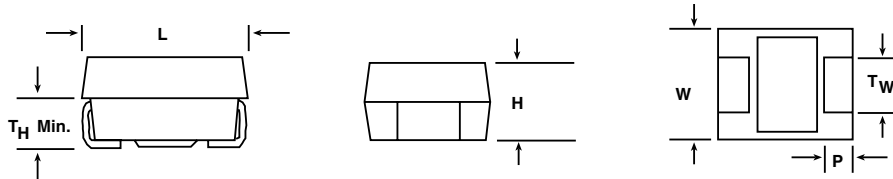
**Voltage Rating:** 4 WVDC to 50 WVDC

### ORDERING INFORMATION

TR3 TYPE	D CASE CODE	107 CAPACITANCE	K CAPACITANCE TOLERANCE	010 DC VOLTAGE RATING AT + 85 °C	C TERMINATION AND PACKAGING	0100 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 % M = ± 20 % J = ± 5 % (Special Order)	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 volts).	C = 100 % Tin/ 7" (178 mm) reels D = 100 % Tin/ 13" (330 mm) reels E = Sn/Pb Solder/7" (178 mm) reels F = Sn/Pb Solder/13" (330 mm) reels	Maximum 100 kHz ESR in milliohms. 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.

### DIMENSIONS 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 [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]	0.170 ± 0.012 [4.3 ± 0.30]	0.110 ± 0.012 [2.8 ± 0.30]	0.051 ± 0.012 [1.3 ± 0.30]	0.095 ± 0.004 [2.4 ± 0.10]	0.039 [1.0]
E	7343-43	0.287 ± 0.012 [7.3 ± 0.30]	0.170 ± 0.012 [4.3 ± 0.30]	0.158 ± 0.012 [4.0 ± 0.30]	0.051 ± 0.012 [1.3 ± 0.30]	0.095 ± 0.004 [2.4 ± 0.10]	0.039 [1.0]

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



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Vishay Sprague

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/B	B/C	C/D
3.3				A	A	A*/B	C	C/D
4.7			A	A/B	A/B	A/B/C	C	D/E
6.8			A	A	A/B	B*/C	C/D	D/E
10		A	A	A/B/C	B/C	B/C	C/D	D/E
15	A	A	A/B	B/C	B/C	C/D	D	
22	A	A/B	A/B/C	B/C	B/C/D	D	D/E	
33	A/B	A/B	B/C	B/C/D	C/D	D/E		
47	A/B	B/C	B/C/D	C/D	D/E	E		
68	B/C	B/C	B*/C/D	D	D/E			
100	B/C	B/C/D	C/D	D/E	E			
150	B/C/D	C/D/E	D/E	D*/E				
220	C/D	C*/D/E	D/E					
330	D	D/E	E					
470	D/E	E						
680	E							

\* Preliminary values, contact factory for availability.

### CONSTRUCTION AND MARKING

#### CONSTRUCTION

#### MARKING

**A Case**

Volts	Code
4.0	G
6.3	J
10	A
16	C
20	D
25	E
35	V
50	T

**B, C, D, E Cases**

**Marking:**  
Capacitor marking includes an anode (+) polarity band, capacitance in microfarads and the voltage rating of + 85 °C. 'A' Case capacitors use a letter code for the voltage and EIA capacitance code. The Vishay Sprague® trademark will be included if space permits. Capacitors rated at 6.3 V shall be marked 6 V. A manufacturing date code is marked on all capacitors. Call the factory for further explanation.



<b>STANDARD RATINGS</b>						
CAPACITANCE ( $\mu$ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C ( $\mu$ A)	MAX. DF AT + 25 °C 120 Hz (%)	MAX. ESR AT + 25 °C 100 kHz (Ohms)	MAX. RIPPLE 100 kHz I <sub>rms</sub> (Amps)
<b>4 WVDC AT + 85 °C, SURGE = 5.2 V . . . 2.7 WVDC AT + 125 °C, SURGE = 3.4 V</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	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	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
<b>6.3 WVDC AT + 85 °C, SURGE = 8 V . . . 4 WVDC AT 125 °C, SURGE = 5 V</b>						
10	A	TR3A106(1)6R3(2)2000	0.6	6	2.000	0.19
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)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)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	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	C	TR3C476(1)6R3(2)0300	2.8	6	0.300	0.61
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
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)0250	6.0	6	0.250	0.66
100	C	TR3C107(1)6R3(2)0150	6.0	6	0.150	0.86
100	D	TR3D107(1)6R3(2)0140	6.0	6	0.140	1.04

(1) Capacitance Tolerance Codes: K, M. (2) Terminations and Packaging Codes: C, D, E, F



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<b>STANDARD RATINGS</b>							
CAPACITANCE ( $\mu$ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C ( $\mu$ A)	MAX. DF AT + 25 °C 120 Hz (%)	MAX. ESR AT + 25 °C 100 kHz (Ohms)	MAX. RIPPLE 100 kHz Irms (Amps)	
<b>6.3 WVDC AT + 85 °C, SURGE = 8 V . . . 4 WVDC AT 125 °C, SURGE = 5 V</b>							
150	C	TR3C157(1)6R3(2)0200	9.0	8	0.200	0.74	
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)0050	9.0	8	0.050	1.73	
150	E	TR3E157(1)6R3(2)0100	9.0	8	0.100	1.28	
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)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)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)0100	19.8	8	0.100	1.28	
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	
<b>10 WVDC AT + 85 °C, SURGE = 13 V . . . 7 WVDC AT 125 °C, SURGE = 8 V</b>							
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	
6.8	A	TR3A685(1)010(2)3000	0.7	6	3.000	0.16	
10	A	TR3A106(1)010(2)2000	1.0	6	2.000	0.19	
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	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	C	TR3C226(1)010(2)0345	2.2	6	0.345	0.56	
33	B	TR3B336(1)010(2)0600	3.3	6	0.600	0.38	
33	C	TR3C336(1)010(2)0300	3.3	6	0.300	0.61	
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)0300	4.7	6	0.300	0.61	
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	C	TR3C686(1)010(2)0275	6.8	6	0.275	0.63	
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	
100	C	TR3C107(1)010(2)0200	10.0	8	0.200	0.74	
100	C	TR3C107(1)010(2)0100	10.0	8	0.100	1.05	
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	
150	D	TR3D157(1)010(2)0100	15.0	8	0.100	1.22	

(1) Capacitance Tolerance Codes: K, M. (2) Terminations and Packaging Codes: C, D, E, F



<b>STANDARD RATINGS</b>						
CAPACITANCE ( $\mu$ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C ( $\mu$ A)	MAX. DF AT + 25 °C 120 Hz (%)	MAX. ESR AT + 25 °C 100 kHz (Ohms)	MAX. RIPPLE 100 kHz I <sub>rms</sub> (Amps)
<b>10 WVDC AT + 85 °C, SURGE = 13 V . . . 7 WVDC AT 125 °C, SURGE = 8 V</b>						
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
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)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)0100	22.0	8	0.100	1.28
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
<b>16 WVDC AT + 85 °C, SURGE = 20 V . . . 10 WVDC AT + 125 °C, SURGE = 12 V</b>						
3.3	A	TR3A335(1)016(2)3500	0.5	6	3.500	0,15
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)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
22	B	TR3B226(1)016(2)0700	3.5	6	0.700	0.35
22	C	TR3C226(1)016(2)0350	3.5	6	0.350	0.56
33	B	TR3B336(1)016(2)0700	5.3	6	0.700	0.35
33	C	TR3C336(1)016(2)0300	5.3	6	0.300	0.61
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)0300	7.5	6	0.300	0.61
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
150	E	TR3E157(1)016(2)0100	24.0	8	0.100	1.28
<b>20 WVDC AT + 85 °C, SURGE = 26 V . . . 13 WVDC AT + 125 °C, SURGE = 16 V</b>						
1	A	TR3A105(1)020(2)5500	0.5	4	5.500	0.12
1	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)2600	1.4	6	2.600	0.17

(1) Capacitance Tolerance Codes: K, M. (2) Terminations and Packaging Codes: C, D, E, F



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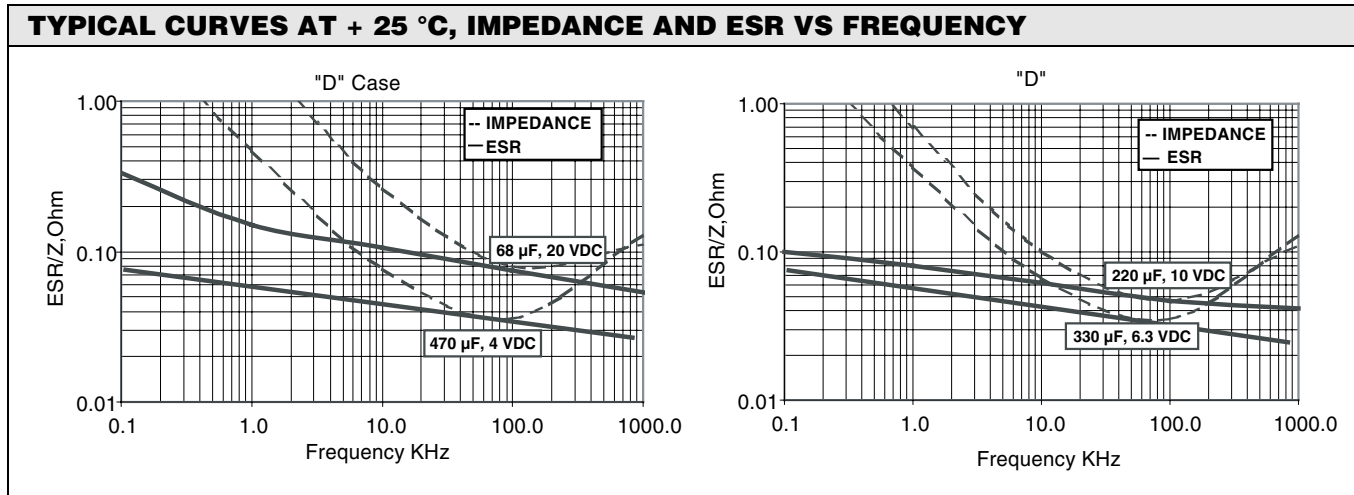
<b>STANDARD RATINGS</b>						
CAPACITANCE (µF)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (µA)	MAX. DF AT + 25 °C 120 Hz (%)	MAX. ESR AT + 25 °C 100 kHz (Ohms)	MAX. RIPPLE 100 kHz Irms (Amps)
<b>20 WVDC AT + 85 °C, SURGE = 26 V . . .13 WVDC AT + 125 °C, SURGE = 16 V</b>						
6.8	B	TR3B685(1)020(2)1000	1.4	6	1.000	0.29
10	B	TR3B106(1)020(2)1000	2.0	6	1.000	0.29
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)0375	4.4	6	0.375	0.54
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	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)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)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)0150	13.6	6	0.150	1.05
100	E	TR3E107(1)020(2)0150	20.0	8	0.150	1.05
<b>25 WVDC AT + 85 °C, SURGE = 32 V . . .17 WVDC AT + 125 °C, SURGE = 20 V</b>						
1	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	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)0525	1.2	6	0.525	0.46
6.8	C	TR3C685(1)025(2)0500	1.7	6	0.500	0.47
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	C	TR3C106(1)025(2)0450	2.5	6	0.450	0.49
15	C	TR3C156(1)025(2)0425	3.8	6	0.425	0.51
15	D	TR3D156(1)025(2)0250	3.8	6	0.250	0.77
22	D	TR3D226(1)025(2)0200	5.5	6	0.200	0.87
33	D	TR3D336(1)025(2)0200	8.3	6	0.200	0.87
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	E	TR3E476(1)025(2)0200	11.8	6	0.200	0.91
<b>35 WVDC AT + 85 °C, SURGE = 46 V . . .23 WVDC AT + 125 °C, SURGE = 28 V</b>						
0.47	A	TR3A474(1)035(2)4000	0.5	4	4.000	0.14
0.68	A	TR3A684(1)035(2)4000	0.5	4	4.000	0.14
1	A	TR3A105(1)035(2)4000	0.5	4	4.000	0.14
1	B	TR3B105(1)035(2)2000	0.5	4	2.000	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)2000	0.8	6	2.000	0.21
2.2	C	TR3C225(1)035(2)0900	0.8	6	0.900	0.40

(1) Capacitance Tolerance Codes: K, M. (2) Terminations and Packaging Codes: C, D, E, F



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 (Ohms)	MAX. RIPPLE 100 kHz Irms (Amps)
<b>35 WVDC AT + 85 °C, SURGE = 46 V . . .23 WVDC AT + 125 °C, SURGE = 28 V</b>						
3.3	C	TR3C335(1)035(2)0700	1.2	6	0.700	0.45
4.7	C	TR3C475(1)035(2)0500	1.6	6	0.500	0.47
6.8	C	TR3C685(1)035(2)0475	2.4	6	0.475	0.48
6.8	D	TR3D685(1)035(2)0300	2.4	6	0.300	0.71
10	C	TR3C106(1)035(2)0450	3.5	6	0.450	0.49
10	D	TR3D106(1)035(2)0300	3.5	6	0.300	0.71
10	D	TR3D106(1)035(2)0250	3.5	6	0.250	0.77
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
22	D	TR3D226(1)035(2)0300	7.7	6	0.300	0.71
22	E	TR3E226(1)035(2)0275	7.7	6	0.275	0.77
<b>50 WVDC AT + 85 °C, SURGE = 65 V . . .33 WVDC AT + 125 °C, SURGE = 40 V</b>						
1	B	TR3B105(1)050(2)2000	0.5	4	2.000	0.21
1	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	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	D	TR3D475(1)050(2)0600	2.4	6	0.600	0.50
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)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
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)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

(1) Capacitance Tolerance Codes: K, M. (2) Terminations and Packaging Codes: C, D, E, F





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