

Solid Tantalum Surface Mount TANTAMOUNT[®], Molded Case, Hi-Rel COTS


FEATURES

- Terminations 100 % matte tin, standard, tin/lead available
- Standard EIA535BAAC case sizes (A through E)
- Weibull grading and surge current test options
- Standard and low ESR options
- Meets EIA 535BAAC and IEC QC 300801/DSCC mechanical and performance requirements
- Compliant to RoHS directive 2002/95/EC


RoHS*
COMPLIANT

PERFORMANCE/ELECTRICAL CHARACTERISTICS
Operating Temperature: - 55 °C to + 85 °C

(To + 125 °C with voltage derating)

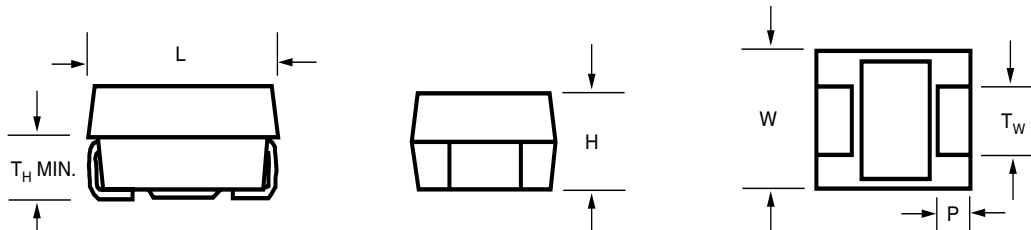
Capacitance Range: 0.1 μF to 330 μF

Capacitance Tolerance: ± 10 %, ± 20 %

Voltage Rating: 4 VDC to 50 VDC

ORDERING INFORMATION

T83 TYPE	D CASE CODE	107 CAPACITANCE	K CAPACITANCE TOLERANCE	010 DC VOLTAGE RATING AT + 85 °C	E TERMINATION AND PACKAGING	A RELIABILITY LEVEL	A SURGE CURRENT	S 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 %	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 H: Matte tin/7" (178 mm), ½ reel E: Tin/lead /7" (178 mm) reel L: Tin/lead/7" (178 mm), ½ reel	A = 1.0 % B = 0.1 % S = Hi-Rel standard Z = Non-ER	A = 10 cycles at +25 °C B = 10 cycles at -55 °C/+ 85 °C Z = None	S = Std L = Low

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]	0.170 ± 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

RATINGS AND CASE CODES									
μF	4 V	6.3 V	10 V	16 V	20 V	25 V	35 V	50 V	63 V
0.1							A	A	
0.15							A	A/B	
0.22							A	B	
0.33						A	A	B	
0.47					A	A	A/B	B/C	
0.68				A	A	B	B	C	
1			A	A	A	A/B	A/B	B/C	
1.5		A	A	A	B	B	B/C	C/D	
2.2	A	A		B	A/B	A/B/C	B/C	C/D	
3.3	A	A	B	B	B	B/C	B/C	D	
4.7	A	A/B	A/B	A/B	A/B/C	A/C	C/D	D	D
6.8	B	B	B	C	C	C/D	C/D	E	
10	B	B	A/C	A/B/C	B/C	B/C/D	C/D	E	E
15	B	C	A/C	B	D	C/D	D		
22		A/C	A	B/D	C/D	D	D/E		
33	A/C	B/C	B/C/D	B/C/D	D	D/E			
47	B/C	B/C/D	B/C/D	C/D	D/E	D/E			
68	D	D	D	D	E				
100	B/D	B/D	C/D	D/E	E				
150	D	D/E	D	E					
220		C/D/E	D/E						
330	E	E	E						
470			E						

MARKING																						
<p>A Case</p>	<table border="1"> <thead> <tr> <th colspan="2">"A" CASE VOLTAGE CODE</th> </tr> <tr> <th>VOLTS</th> <th>CODE</th> </tr> </thead> <tbody> <tr><td>4.0</td><td>G</td></tr> <tr><td>6.3</td><td>J</td></tr> <tr><td>10</td><td>A</td></tr> <tr><td>16</td><td>C</td></tr> <tr><td>20</td><td>D</td></tr> <tr><td>25</td><td>E</td></tr> <tr><td>35</td><td>V</td></tr> <tr><td>50</td><td>T</td></tr> </tbody> </table>	"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 Case</p>
"A" CASE VOLTAGE CODE																						
VOLTS	CODE																					
4.0	G																					
6.3	J																					
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50	T																					
<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>																						



Solid Tantalum Surface Mount
TANTAMOUNT®, Molded Case, Hi-Rel COTS

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 (%)	STD. (S) MAX. ESR AT + 25 °C 100 kHz (Ω)	LOW (L) MAX. ESR AT + 25 °C 100 kHz (Ω)
4 VDC AT + 85 °C, 2.7 VDC AT + 125 °C						
2.2	A	T83A225(1)004(2)(3)(4)(5)	0.5	6	7.600	6.000
3.3	A	T83A335(1)004(2)(3)(4)(5)	0.5	6	7.600	4.000
4.7	A	T83A475(1)004(2)(3)(4)(5)	0.5	6	6.300	3.500
6.8	B	T83B685(1)004(2)(3)(4)(5)	0.5	6	4.500	2.000
10	B	T83B106(1)004(2)(3)(4)(5)	0.5	6	3.500	1.200
15	B	T83B156(1)004(2)(3)(4)(5)	0.6	6	2.900	1.200
33	A	T83A336(1)004(2)(3)(4)(5)	1.3	6	2.900	1.500
33	C	T83C336(1)004(2)(3)(4)(5)	1.3	6	1.800	0.500
47	B	T83B476(1)004(2)(3)(4)(5)	1.9	6	2.500	0.600
47	C	T83C476(1)004(2)(3)(4)(5)	1.9	6	1.800	0.400
68	D	T83D686(1)004(2)(3)(4)(5)	2.7	6	0.800	0.175
100	B	T83B107(1)004(2)(3)(4)(5)	4.0	6	1.800	0.450
100	D	T83D107(1)004(2)(3)(4)(5)	4.0	6	0.700	0.175
150	D	T83D157(1)004(2)(3)(4)(5)	6.0	8	0.600	0.150
330	E	T83E337(1)004(2)(3)(4)(5)	13.2	8	0.500	0.100
6.3 VDC AT + 85 °C, 4 VDC AT 125 °C						
1.5	A	T83A155(1)6R3(2)(3)(4)(5)	0.5	6	8.000	6.000
2.2	A	T83A225(1)6R3(2)(3)(4)(5)	0.5	6	7.600	6.000
3.3	A	T83A335(1)6R3(2)(3)(4)(5)	0.5	6	6.300	5.000
4.7	A	T83A475(1)6R3(2)(3)(4)(5)	0.5	6	5.500	3.500
4.7	B	T83B475(1)6R3(2)(3)(4)(5)	0.5	6	3.400	1.800
6.8	B	T83B685(1)6R3(2)(3)(4)(5)	0.5	6	3.400	1.200
10	B	T83B106(1)6R3(2)(3)(4)(5)	0.6	6	2.900	1.000
15	C	T83C156(1)6R3(2)(3)(4)(5)	0.9	6	1.800	0.600
22	A	T83A226(1)6R3(2)(3)(4)(5)	1.3	6	2.900	2.000
22	C	T83C226(1)6R3(2)(3)(4)(5)	1.3	6	1.800	0.500
33	B	T83B336(1)6R3(2)(3)(4)(5)	2.0	6	1.900	0.600
33	C	T83C336(1)6R3(2)(3)(4)(5)	2.0	6	1.500	0.400
47	B	T83B476(1)6R3(2)(3)(4)(5)	2.8	6	2.000	0.550
47	C	T83C476(1)6R3(2)(3)(4)(5)	2.8	6	1.400	0.300
47	D	T83D476(1)6R3(2)(3)(4)(5)	2.8	6	0.800	0.200
68	D	T83D686(1)6R3(2)(3)(4)(5)	4.1	6	0.700	0.200
100	B	T83B107(1)6R3(2)(3)(4)(5)	6.0	15	1.700	0.700
100	D	T83D107(1)6R3(2)(3)(4)(5)	6.0	6	0.700	0.140
150	D	T83D157(1)6R3(2)(3)(4)(5)	9.0	8	0.600	0.125
150	E	T83E157(1)6R3(2)(3)(4)(5)	9.0	8	0.500	0.100
220	C	T83C227(1)6R3(2)(3)(4)(5)	13.9	14	0.700	0.300
220	D	T83D227(1)6R3(2)(3)(4)(5)	13.2	8	0.600	0.100
220	E	T83E227(1)6R3(2)(3)(4)(5)	13.2	8	0.500	0.100
330	E	T83E337(1)6R3(2)(3)(4)(5)	19.8	8	0.500	0.100
10 VDC AT + 85 °C, 7 VDC AT 125 °C						
1	A	T83A105(1)010(2)(3)(4)(5)	0.5	4	9.300	6.000
1.5	A	T83A155(1)010(2)(3)(4)(5)	0.5	6	8.000	6.000
3.3	B	T83B335(1)010(2)(3)(4)(5)	0.5	6	3.500	2.500
4.7	A	T83A475(1)010(2)(3)(4)(5)	0.5	6	5.000	3.000
4.7	B	T83B475(1)010(2)(3)(4)(5)	0.5	6	3.400	1.500

Notes

- (1) Capacitance tolerance: K, M
(2) Termination and packaging: C, E, H, L
(3) Reliability level: A, B, S, Z

- (4) Surge current: A, B, Z
(5) ESR: L, S
(6) Reliability level: A, S, Z

RATINGS AND PART NUMBER REFERENCE						
CAPACITANCE (μ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μ A)	MAX. DF AT + 25 °C 120 Hz (%)	STD. (S) MAX. ESR AT + 25 °C 100 kHz (Ω)	LOW (L) MAX. ESR AT + 25 °C 100 kHz (Ω)
10 VDC AT + 85 °C, 7 VDC AT 125 °C						
10	A	T83A106(1)010(2)(3)(4)(5)	1.0	6	3.400	2.000
10	C	T83C106(1)010(2)(3)(4)(5)	1.0	6	1.800	0.550
15	A	T83A156(1)010(2)(3)(4)(5)	1.5	6	2.900	2.000
15	C	T83C156(1)010(2)(3)(4)(5)	1.5	6	1.800	0.500
22	A	T83A226(1)010(2)(3)(4)(5)	2.2	8	2.500	1.500
33	B	T83B336(1)010(2)(3)(4)(5)	3.3	6	1.900	0.600
33	C	T83C336(1)010(2)(3)(4)(5)	3.3	6	1.400	0.350
33	D	T83D336(1)010(2)(3)(4)(5)	3.3	6	0.800	0.250
47	B	T83B476(1)010(2)(3)(4)(5)	4.7	6	1.800	0.600
47	C	T83C476(1)010(2)(3)(4)(5)	4.7	6	1.100	0.300
47	D	T83D476(1)010(2)(3)(4)(5)	4.7	6	0.700	0.200
68	D	T83D686(1)010(2)(3)(4)(5)	6.8	6	0.700	0.150
100	C	T83C107(1)010(2)(3)(4)(5)	10.0	8	0.900	0.200
100	D	T83D107(1)010(2)(3)(4)(5)	10.0	8	0.600	0.100
150	D	T83D157(1)010(2)(3)(4)(5)	15.0	8	0.600	0.100
220	D	T83D227(1)010(2)(3)(4)(5)	22.0	8	0.600	0.360
220	E	T83E227(1)010(2)(3)(4)(5)	22.0	8	0.500	0.100
330	E	T83E337(1)010(2)(3)(4)(5)	33.0	10	0.500	0.100
470	E	T83E477(1)010(2)(3)(4)(5)	47.0	15	0.500	0.100
16 VDC AT + 85 °C, 10 VDC AT + 125 °C						
0.68	A	T83A684(1)016(2)(3)(4)(5)	0.5	4	11.000	8.000
1	A	T83A105(1)016(2)(3)(4)(5)	0.5	4	9.300	6.000
1.5	A	T83A155(1)016(2)(3)(4)(5)	0.5	6	6.700	6.000
2.2	B	T83B225(1)016(2)(3)(4)(5)	0.5	6	4.600	2.500
3.3	B	T83B335(1)016(2)(3)(4)(5)	0.5	6	3.500	2.000
4.7	A	T83A475(1)016(2)(3)(4)(5)	0.8	6	5.000	3.500
4.7	B	T83B475(1)016(2)(3)(4)(5)	0.8	6	2.900	1.500
6.8	C	T83C685(1)016(2)(3)(4)(5)	1.1	6	1.900	0.600
10	A	T83A106(1)016(2)(3)(4)(5)	1.6	6	3.000	1.700
10	B	T83B106(1)016(2)(3)(4)(5)	1.6	6	2.800	0.800
10	C	T83C106(1)016(2)(3)(4)(5)	1.6	6	1.800	0.450
15	B	T83B156(1)016(2)(3)(4)(5)	2.4	6	0.800	2.000
22	B	T83B226(1)016(2)(3)(4)(5)	3.5	6	1.000	1.900
22	D	T83D226(1)016(2)(3)(4)(5)	3.5	6	0.800	0.250
33	B	T83B336(1)016(2)(3)(4)(5)	5.3	6	1.800	0.500
33	C	T83C336(1)016(2)(3)(4)(5)	5.3	6	1.100	0.300
33	D	T83D336(1)016(2)(3)(4)(5)	5.3	6	0.700	0.225
47	C	T83C476(1)016(2)(3)(4)(5)	1.5	6	1.000	0.300
47	D	T83D476(1)016(2)(3)(4)(5)	7.5	6	0.700	0.150
68	D	T83D686(1)016(2)(3)(4)(5)	10.9	6	0.600	0.150
100	D	T83D107(1)016(2)(3)(4)(5)	16.0	8	0.600	0.125
100	E	T83E107(1)016(2)(3)(4)(5)	16.0	8	0.600	0.100
150	E	T83E157(1)016(2)(3)(4)(5)	24.0	8	0.500	0.150

Notes

(1) Capacitance tolerance: K, M
 (2) Termination and packaging: C, E, H, L
 (3) Reliability level: A, B, S, Z

(4) Surge current: A, B, Z
 (5) ESR: L, S
 (6) Reliability level: A, S, Z



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RATINGS AND PART NUMBER REFERENCE						
CAPACITANCE (μ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μ A)	MAX. DF AT + 25 °C 120 Hz (%)	STD. (S) MAX. ESR AT + 25 °C 100 kHz (Ω)	LOW (L) MAX. ESR AT + 25 °C 100 kHz (Ω)
20 VDC AT + 85 °C, 13 VDC AT + 125 °C						
0.47	A	T83A474(1)020(2)(3)(4)(5)	0.5	4	12.000	9.000
0.68	A	T83A684(1)020(2)(3)(4)(5)	0.5	4	10.000	8.000
1	A	T83A105(1)020(2)(3)(4)(5)	0.5	4	8.400	5.500
1.5	B	T83B155(1)020(2)(3)(4)(5)	0.5	6	4.600	2.500
2.2	A	T83A225(1)020(2)(3)(4)(5)	0.5	6	5.900	4.000
2.2	B	T83B225(1)020(2)(3)(4)(5)	0.5	6	3.500	1.500
3.3	B	T83B335(1)020(2)(3)(4)(5)	0.7	6	3.000	1.300
4.7	A	T83A475(1)020(2)(3)(4)(5)	0.9	6	5.000	3.500
4.7	B	T83B475(1)020(2)(3)(4)(5)	0.9	6	2.900	1.000
4.7	C	T83C475(1)020(2)(3)(4)(5)	0.9	6	2.300	0.600
6.8	C	T83C685(1)020(2)(3)(4)(5)	1.4	6	1.900	0.550
10	B	T83B106(1)020(2)(3)(4)(5)	2.0	6	2.500	1.000
10	C	T83C106(1)020(2)(3)(4)(5)	2.0	6	1.700	0.450
15	D	T83D156(1)020(2)(3)(4)(5)	3.0	6	0.900	0.300
22	C	T83C226(1)020(2)(3)(4)(5)	4.4	6	1.100	0.375
22	D	T83D226(1)020(2)(3)(4)(5)	4.4	6	0.700	0.225
33	D	T83D336(1)020(2)(3)(4)(5)	6.6	6	0.700	0.200
47	D	T83D476(1)020(2)(3)(4)(5)	9.4	6	0.700	0.200
47	E	T83E476(1)020(2)(3)(4)(5)	9.4	6	0.600	0.150
68	D	T83D686(1)020(2)(3)(4)(5)	13.6	6	0.700	0.175
68	E	T83E686(1)020(2)(3)(4)(5)	13.6	6	0.600	0.150
100	E	T83E107(1)020(2)(3)(4)(5)	20.0	8	0.500	0.150
25 VDC AT + 85 °C, 17 VDC AT + 125 °C						
0.33	A	T83A334(1)025(2)(3)(4)(5)	0.5	4	14.000	10.000
0.47	A	T83A474(1)025(2)(3)(4)(5)	0.5	4	12.000	9.000
0.68	B	T83B684(1)025(2)(3)(4)(5)	0.5	4	7.000	5.000
1	A	T83A105(1)025(2)(3)(4)(5)	0.5	4	6.100	3.200
1	B	T83B105(1)025(2)(3)(4)(5)	0.5	4	5.000	2.000
1.5	B	T83B155(1)025(2)(3)(4)(5)	0.5	6	4.600	2.000
2.2	A	T83A225(1)025(2)(3)(4)(5)	0.6	6	6.300	4.000
2.2	B	T83B225(1)025(2)(3)(4)(5)	0.6	6	3.800	2.300
2.2	C	T83C225(1)025(2)(3)(4)(5)	0.6	6	2.900	1.000
3.3	B	T83B335(1)025(2)(3)(4)(5)	0.8	6	3.100	1.500
3.3	C	T83C335(1)025(2)(3)(4)(5)	0.8	6	2.300	1.000
4.7	B	T83B475(1)025(2)(3)(4)(5)	1.2	6	2.800	1.500
4.7	C	T83C475(1)025(2)(3)(4)(5)	1.2	6	2.000	0.525
6.8	C	T83C685(1)025(2)(3)(4)(5)	1.7	6	1.700	0.500
6.8	D	T83D685(1)025(2)(3)(4)(5)	1.7	6	1.200	0.350
10	B	T83B106(1)025(2)(3)(4)(5)	2.5	6	2.300	1.300
10	C	T83C106(1)025(2)(3)(4)(5)	2.5	6	1.500	0.450
10	D	T83D106(1)025(2)(3)(4)(5)	2.5	6	1.000	0.300
15	C	T83C156(1)025(2)(3)(4)(5)	3.8	6	1.200	0.430
15	D	T83D156(1)025(2)(3)(4)(5)	3.8	6	0.800	0.250
22	D	T83D226(1)025(2)(3)(4)(5)	5.5	6	0.700	0.200
33	D	T83D336(1)025(2)(3)(4)(5)	8.3	6	0.700	0.300
33	E	T83E336(1)025(2)(3)(4)(5)	8.3	6	0.600	0.200
47	D	T83D476(1)025(2)(3)(4)(5)	11.8	8	0.700	0.350
47	E	T83E476(1)025(2)(3)(4)(5)	11.8	6	0.600	0.300

Notes

- (1) Capacitance tolerance: K, M
- (2) Termination and packaging: C, E, H, L
- (3) Reliability level: A, B, S, Z

- (4) Surge current: A, B, Z
- (5) ESR: L, S
- (6) Reliability level: A, S, Z

RATINGS AND PART NUMBER REFERENCE						
CAPACITANCE (μ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μ A)	MAX. DF AT + 25 °C 120 Hz (%)	STD. (S) MAX. ESR AT + 25 °C 100 kHz (Ω)	LOW (L) MAX. ESR AT + 25 °C 100 kHz (Ω)
35 VDC AT + 85 °C, 23 VDC AT + 125 °C						
0.1	A	T83A104(1)035(2)(3)(4)(5)	0.5	4	20.000	10.000
0.15	A	T83A154(1)035(2)(3)(4)(5)	0.5	4	18.000	6.000
0.22	A	T83A224(1)035(2)(3)(4)(5)	0.5	4	15.000	6.000
0.33	A	T83A334(1)035(2)(3)(4)(5)	0.5	4	13.000	6.000
0.47	A	T83A474(1)035(2)(3)(4)(5)	0.5	4	10.000	4.000
0.47	B	T83B474(1)035(2)(3)(4)(5)	0.5	4	8.000	0.800
0.68	B	T83B684(1)035(2)(3)(4)(5)	0.5	4	6.500	2.500
1	A	T83A105(1)035(2)(3)(4)(5)	0.5	4	7.500	6.000
1	B	T83B105(1)035(2)(3)(4)(5)	0.5	4	5.000	2.000
1.5	B	T83B155(1)035(2)(3)(4)(5)	0.5	6	4.200	3.000
1.5	C	T83C155(1)035(2)(3)(4)(5)	0.5	6	3.800	1.500
2.2	B	T83B225(1)035(2)(3)(4)(5)	0.8	6	3.800	2.300
2.2	C	T83C225(1)035(2)(3)(4)(5)	0.8	6	2.900	0.900
3.3	B	T83B335(1)035(2)(3)(4)(5)	1.2	6	3.500	1.500
3.3	C	T83C335(1)035(2)(3)(4)(5)	1.2	6	2.100	0.700
4.7	C	T83C475(1)035(2)(3)(4)(5)	1.6	6	1.900	0.600
4.7	D	T83D475(1)035(2)(3)(4)(5)	1.6	6	1.300	0.600
6.8	C	T83C685(1)035(2)(3)(4)(5)	2.4	6	1.800	0.900
6.8	D	T83D685(1)035(2)(3)(4)(5)	2.4	6	1.100	0.300
10	C	T83C106(1)035(2)(3)(4)(5)	3.5	6	1.600	0.850
10	D	T83D106(1)035(2)(3)(4)(5)	3.5	6	0.800	0.300
15	D	T83D156(1)035(2)(3)(4)(5)	5.3	6	0.800	0.300
22	D	T83D226(1)035(2)(3)(4)(5)	7.7	6	0.600	0.400
22	E	T83E226(1)035(2)(3)(4)(5)	7.7	6	0.600	0.300
50 VDC AT + 85 °C, 33 VDC AT + 125 °C						
0.1	A	T83A104(1)050(2)(3)(4)(5)	0.5	4	19.000	10.000
0.15	A	T83A154(1)050(2)(3)(4)(5)	0.5	4	17.000	10.000
0.15	B	T83B154(1)050(2)(3)(4)(5)	0.5	4	14.000	9.000
0.22	B	T83B224(1)050(2)(3)(4)(5)	0.5	4	12.000	8.500
0.33	B	T83B334(1)050(2)(3)(4)(5)	0.5	4	10.000	4.500
0.47	B	T83B474(1)050(2)(3)(4)(5)	0.5	4	8.400	4.000
0.47	C	T83C474(1)050(2)(3)(4)(5)	0.5	4	6.700	1.800
0.68	C	T83C684(1)050(2)(3)(4)(5)	0.5	4	5.900	1.600
1	B	T83B105(1)050(2)(3)(4)(5)	0.5	4	6.700	2.000
1	C	T83C105(1)050(2)(3)(4)(5)	0.5	4	4.600	1.600
1.5	C	T83C155(1)050(2)(3)(4)(5)	0.8	6	3.400	1.500
1.5	D	T83D155(1)050(2)(3)(4)(5)	0.8	6	2.900	1.000
2.2	C	T83C225(1)050(2)(3)(4)(5)	1.1	6	2.900	1.500
2.2	D	T83D225(1)050(2)(3)(4)(5)	1.1	6	2.100	0.800
3.3	D	T83D335(1)050(2)(3)(4)(5)	1.7	6	1.700	0.800
4.7	D	T83D475(1)050(2)(3)(4)(5)	2.4	6	1.200	0.600
6.8	E	T83E685(1)050(2)(3)(4)(5)	3.4	6	0.900	0.540
10	E	T83E106(1)050(2)(3)(4)(5)	5.0	6	0.800	0.550
63 VDC AT + 85 °C, 41.6 VDC AT + 125 °C						
4.7	D	T83D475(1)063(2)(6)(4)(5)	3.0	6	1.100	0.700
10	E	T83E106(1)063(2)(6)(4)(5)	6.3	6	1.000	0.600

Notes

(1) Capacitance tolerance: K, M
 (2) Termination and packaging: C, E, H, L
 (3) Reliability level: A, B, S, Z

(4) Surge current: A, B, Z
 (5) ESR: L, S
 (6) Reliability level: A, S, Z



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