

Solid Tantalum Chip Capacitors

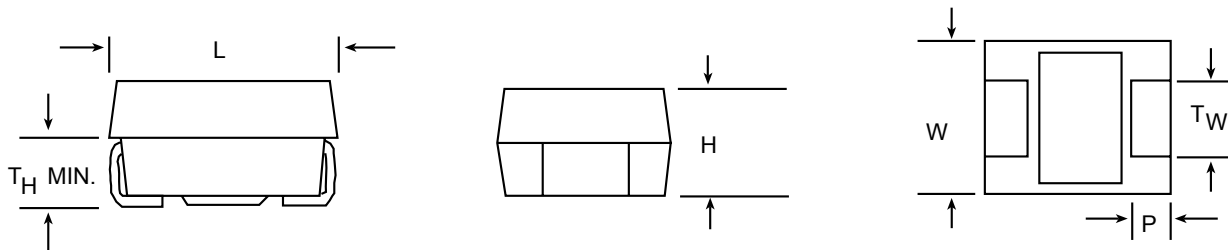
Features:

- Terminations: 100 % Tin, standard SnPb available
- RoHS compliant
- Molded case available in six case codes
- Compatible with "High Volume" automatic pick and place equipment
- Optical character recognition qualified
- Meets IEC Specification QC300801/US0001 and EIA 535BAAC

Performance/Electrical Characteristics:

- Operating Temperature: - 55 °C to + 85 °C (To + 125 °C with voltage derating)
- Capacitance Range: 0.10 µF to 680 µF
- Capacitance Tolerance: ± 20 %, ± 10 % standard (20 % only for P case code)
- Compliant Terminations
- 100 % Surge Current Tested (D & E Case Codes)
- Voltage Rating: 4 WVDC to 50 WVDC

Case Dimensions:



Case Code	EIA Size	L	W	H	P	T _w	T _H (MIN.)
A	3216	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	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	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	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	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]
P	2012	0.079 ± 0.20 [2.0 ± 0.008]	0.049 ± 0.008 [1.25 ± 0.2]	0.047 Max. [1.2 Max.]	0.020 ± 0.008 [0.52 ± 0.20]	0.047 ± 0.004 [1.2 ± 0.10]	0.012 [0.3]

Capacitance Range:	0.10 µF to 680 µF
Capacitance Tolerance:	± 20 %, ± 10 %
Temperature Range:	- 55 °C to + 85 °C

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μF	4V		6.3V		10V		16V		20V		25V		35V		50V	
	Std.	Ext.	Std.	Ext.	Std.	Ext.	Std.	Ext.	Std.	Ext.	Std.	Ext.	Std.	Ext.	Std.	Ext.
0.10													A		A	
0.15													A		B	A
0.22													A		B	A
0.33													A		B	A
0.47											A		B	A	B/C	A
0.68									A		A		B	A	C	B
1.0			P		P	P	A		A		B	A	B	A	C	B
1.5			P		A	P	A		A		B	A	C	B		C
2.2	P		A/P		A/P	P	A/B		B	A	B	A	C	B	D	C/D
3.3	A/P		A/P		A/P	P	A/B		B	A	C	B	C	B	D	C
4.7	A/P		A/B/P		A/B/P	P	B	A	B/C	A	C	B	D	C	D	
6.8	A/P		A/B/P		B	A/P	B/C	A	C	B	C	B	D	C		D/E
10	A/B/P		B/C/P	A	B/C	A	C	A/B	C	B	D	B/C	D	C		D/E
15	B	A	B/C	A	C	A/B	C	B	D	B/C	D	C		D/E		
22	B/C	A	C	A/B	C	A/B	D	B/C	D	B/C		D		D/E		
33	C	A/B	C	A/B	D	B/C	D	B/C	D	C		D/E		E*		
47	C	A/B	D	B/C	D	B/C	D	C		D/E		E				
68	D	B/C	D	B/C	D	B/C		D		D/E						
100	D	B/C	D	B/C		C/D		D/E		E						
150	D	B/C	E	C/D		D/E		D*/E								
220	E	C/D		C/D/E		D/E										
330		D/E		D/E		E										
470		D/E		E												
680		E														

TC K 1C 107 D T 150

PRO-CAP TYPE: _____

Capacitance Tolerance: _____

CODE	Tolerance
M	±20%
K	±10%

Rated Voltage: _____

Rated Voltage	2.5	4	6.3	10	16	20	25	35	50
Code	OE	OG	OJ	1A	1C	1D	1E	1V	1H

Capacitance: _____

First two digits represent significant figures.
Third digit specifies number of zeros to follow.

Case Size: _____

Maximum ESR:

see note.

Taping:

7" Reel:
Case A, B, P 2000pcs.
Case C, D 500pcs.
Case E 400pcs.

NOTE: The EIA & CECC standards for low ESR Solid Tantalum Capacitors allow an ESR movement to 1.25 times catalog limit post mounting.

Solid Tantalum Chip Capacitors

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 (Ohms)	MAX. RIPPLE 100 kHz Irms (Amps)
4 WVDC AT + 85 °C, SURGE = 5.2 V . . . 2.7 WVDC AT + 125 °C, SURGE = 3.4 V						
2.2	P	TCK_OG225PT	0.5	8	12	0.02
3.3	A	TCK_OG335AT	0.5	6	7.6	0.10
3.3	P	TCK_OG335PT	0.5	8	12	0.02
4.7	A	TCK_OG475AT	0.5	6	6.3	0.11
4.7	P	TCK_OG475PT	0.5	8	6.0	0.06
6.8	A	TCK_OG685AT	0.5	6	5.5	0.12
6.8	P	TCK_OG685PT	0.5	10	6.0	0.06
10	B	TCK_OG106AT	0.5	6	5.1	0.12
10	A	TCK_OG106BT	0.5	6	3.5	0.16
10	P	TCK_OG106PT	0.5	10	6.0	0.06
15	A	TCK_OG156AT	0.6	6	3.4	0.15
15	B	TCK_OG156BT	0.6	6	2.9	0.17
15	P	TCK_OG156PT	0.6	6	N/A	N/A
22	A	TCK_OG226AT	0.9	6	2.9	0.16
22	B	TCK_OG226BT	0.9	6	2.5	0.18
22	C	TCK_OG226CT	0.9	6	1.8	0.25
33	A	TCK_OG336AT	1.3	6	2.9	0.16
33	B	TCK_OG336BT	1.3	6	2.0	0.21
33	C	TCK_OG336CT	1.3	6	1.8	0.25
47	A	TCK_OG476AT	1.9	14	2.5	0.17
47	B	TCK_OG476BT	1.9	6	1.9	0.21
47	C	TCK_OG476CT	1.9	6	1.8	0.25
68	B	TCK_OG686BT	2.7	6	1.9	0.21
68	C	TCK_OG686CT	2.7	6	1.4	0.28
68	D	TCK_OG686DT	2.7	6	0.8	0.43
100	B	TCK_OG107BT	4.0	8	1.8	0.22
100	C	TCK_OG107CT	4.0	6	0.8	0.37
100	D	TCK_OG107DT	4.0	6	0.7	0.46
150	B	TCK_OG157BT	6.0	14	1.6	0.23
150	C	TCK_OG157CT	6.0	12	0.7	0.40
150	D	TCK_OG157DT	6.0	8	0.6	0.50
220	C	TCK_OG227CT	8.8	8	0.7	0.40
220	D	TCK_OG227DT	8.8	8	0.6	0.50
220	E	TCK_OG227ET	8.8	8	0.5	0.57
330	D	TCK_OG337DT	13.2	8	0.6	0.50
330	E	TCK_OG337ET	13.2	8	0.5	0.57
470	D	TCK_OG477DT	18.8	10	0.6	0.50
470	E	TCK_OG477ET	18.8	10	0.5	0.57
680	E	TCK_OG687ET	27.2	12	0.5	0.57



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6.3 WVDC AT + 85 °C, SURGE = 8 V . . . 4 WVDC AT + 125 °C, SURGE = 5 V						
1.0	P	TCK_OJ225PT	0.5	8	12	0.0
1.5	P	TCK_OJ225PT	0.5	8	12	0.02
2.2	A	TCK_OJ225AT	0.5	6	7.6	0.10
2.2	P	TCK_OJ225PT	0.5	8	12	0.02
3.3	A	TCK_OJ335AT	0.5	6	6.3	0.11
3.3	P	TCK_OJ335PT	0.5	8	12	0.02
4.7	A	TCK_OJ475AT	0.5	6	5.5	0.12
4.7	P	TCK_OJ475PT	0.5	8	6.0	0.06
6.8	A	TCK_OJ685AT	0.5	6	5.0	0.12
6.8	B	TCK_OJ685BT	0.5	6	3.4	0.16
6.8	P	TCK_OJ685PT	0.5	10	6.0	0.06
10	A	TCK_OJ106AT	0.6	6	3.4	0.15
10	B	TCK_OJ106BT	0.6	6	2.9	0.17
10	P	TCK_OJ106PT	0.6	10	6.0	0.06
15	A	TCK_OJ156AT	0.9	6	2.9	0.16
15	B	TCK_OJ156BT	0.9	6	2.5	0.18
15	C	TCK_OJ156CT	0.9	6	1.8	0.25
22	A	TCK_OJ226AT	1.3	6	2.9	0.16
22	B	TCK_OJ226BT	1.3	6	2.0	0.21
22	C	TCK_OJ226CT	1.3	6	1.8	0.25
33	A	TCK_OJ336AT	2.0	14	2.5	0.17
33	B	TCK_OJ336BT	2.0	6	1.9	0.21
33	C	TCK_OJ336CT	2.0	6	1.5	0.27
47	B	TCK_OJ476BT	2.8	6	1.9	0.21
47	C	TCK_OJ476CT	2.8	6	1.4	0.28
47	D	TCK_OJ476DT	2.8	6	0.8	0.43
68	B	TCK_OJ686BT	4.1	6	1.8	0.22
68	C	TCK_OJ686CT	4.1	6	0.8	0.37
68	D	TCK_OJ686DT	4.1	6	0.7	0.46
100	B	TCK_OJ107BT	6.0	15	1.7	0.22
100	C	TCK_OJ107CT	6.0	6	0.8	0.37
100	D	TCK_OJ107DT	6.0	6	0.7	0.46
150	C	TCK_OJ157CT	9.0	8	0.7	0.40
150	D	TCK_OJ157DT	9.0	8	0.6	0.50
150	E	TCK_OJ157ET	9.0	8	0.5	0.57
220	C	TCK_OJ227CT	13.9	14	0.7	0.39
220	D	TCK_OJ227DT	13.2	8	0.6	0.50
220	E	TCK_OJ227ET	13.2	8	0.5	0.57
330	D	TCK_OJ337DT	19.8	8	0.6	0.50
330	E	TCK_OJ337ET	19.8	8	0.5	0.57
470	E	TCK_OJ477ET	28.2	10	0.5	0.57

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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 (Ohms)	MAX. RIPPLE 100 kHz Irms (Amps)
10 WVDC AT + 85 °C, SURGE = 13 V . . . 7 WVDC AT + 125 °C, SURGE = 8 V						
1.0	P	TCK_1A105PT	0.5	8	12	0.02
1.5	A	TCK_1A155AT	0.5	6	8.0	0.10
1.5	P	TCK_1A155PT	0.5	8	12	0.02
2.2	A	TCK_1A225AT	0.5	6	6.3	0.11
2.2	P	TCK_1A225AT	0.5	8	12	0.07
3.3	A	TCK_1A335AT	0.5	6	5.5	0.12
3.3	P	TCK_1A335PT	0.5	8	12	0.02
4.7	A	TCK_1A475AT	0.5	6	5.0	0.12
4.7	B	TCK_1A475BT	0.5	6	3.4	0.16
4.7	P	TCK_1A475PT	0.5	8	6.0	0.06
6.8	A	TCK_1A685AT	0.7	6	4.2	0.13
6.8	B	TCK_1A685BT	0.7	6	2.9	0.17
6.8	P	TCK_1A685PT	0.5	8	6.0	0.06
10	A	TCK_1A106AT	1.0	6	3.4	0.15
10	B	TCK_1A106BT	1.0	6	2.5	0.18
10	C	TCK_1A106CT	1.0	6	1.8	0.25
15	A	TCK_1A156AT	1.5	6	2.9	0.16
15	B	TCK_1A156BT	1.5	6	2.0	0.21
15	C	TCK_1A156CT	1.5	6	1.8	0.25
22	A	TCK_1A226AT	2.2	8	2.5	0.17
22	B	TCK_1A226BT	2.2	6	1.9	0.21
22	C	TCK_1A226CT	2.2	6	1.5	0.27
33	B	TCK_1A336BT	3.3	6	1.9	0.21
33	C	TCK_1A336CT	3.3	6	1.4	0.28
33	D	TCK_1A336DT	3.3	6	0.8	0.43
47	B	TCK_1A476BT	4.7	6	1.8	0.22
47	C	TCK_1A476CT	4.7	6	1.1	0.32
47	D	TCK_1A476DT	4.7	6	0.7	0.46
68	C	TCK_1A686CT	6.8	6	1.0	0.33
68	D	TCK_1A686DT	6.8	6	0.7	0.46
100	C	TCK_1A107CT	10	8	0.9	0.35
100	D	TCK_1A107DT	10	8	0.6	0.50
150	D	TCK_1A157DT	15	8	0.6	0.50
150	E	TCK_1A157ET	15	8	0.5	0.57
220	D	TCK_1A227DT	22	8	0.6	0.50
220	E	TCK_1A227ET	22	8	0.5	0.57
330	E	TCK_1A337ET	33	10	0.5	0.57



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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 (Ohms)	MAX. RIPPLE 100 kHz Irms (Amps)
16 WVDC AT + 85 °C, SURGE = 20 V . . . 10 WVDC AT + 125 °C, SURGE = 12 V						
1.0	A	TCK_1C105AT	0.5	4	9.3	0.09
1.5	A	TCK_1C155AT	0.5	6	6.7	0.11
2.2	A	TCK_1C225AT	0.5	6	5.9	0.11
2.2	B	TCK_1C225BT	0.5	6	4.6	0.14
3.3	A	TCK_1C335AT	0.5	6	5.0	0.12
3.3	B	TCK_1C335BT	0.5	6	3.5	0.16
4.7	A	TCK_1C475AT	0.8	6	5.0	0.12
4.7	B	TCK_1C475BT	0.8	6	2.9	0.17
6.8	A	TCK_1C685AT	1.1	6	4.2	0.13
6.8	B	TCK_1C685BT	1.1	6	2.5	0.18
6.8	C	TCK_1C685CT	1.1	6	1.9	0.24
10	A	TCK_1C106AT	1.6	6	3.0	0.16
10	B	TCK_1C106BT	1.6	6	2.0	0.21
10	C	TCK_1C106CT	1.6	6	1.8	0.25
15	B	TCK_1C156BT	2.4	6	2.0	0.21
15	C	TCK_1C156CT	2.4	6	1.5	0.27
22	B	TCK_1C226BT	3.5	6	1.9	0.21
22	C	TCK_1C226CT	3.5	6	1.4	0.28
22	D	TCK_1C226DT	3.5	6	0.8	0.43
33	B	TCK_1C336BT	5.3	6	1.8	0.22
33	C	TCK_1C336CT	5.3	6	1.1	0.32
33	D	TCK_1C336DT	5.3	6	0.7	0.46
47	C	TCK_1C476CT	7.5	6	1.0	0.33
47	D	TCK_1C476DT	7.5	6	0.7	0.46
68	D	TCK_1C686DT	10.9	6	0.6	0.50
100	D	TCK_1C107DT	16	6	0.6	0.50
100	E	TCK_1C107ET	16	8	0.6	0.52
150	E	TCK_1C157ET	24	8	0.5	0.57
20 WVDC AT + 85 °C, SURGE = 26 V . . . 13 WVDC AT + 125 °C, SURGE = 16 V						
0.68	A	TCK_1D684AT	0.5	4	10	0.09
1.0	A	TCK_1D105AT	0.5	4	8.4	0.09
1.5	A	TCK_1D155AT	0.5	6	6.3	0.11
2.2	A	TCK_1D225AT	0.5	6	5.9	0.11
2.2	B	TCK_1D225BT	0.5	6	3.5	0.16
3.3	A	TCK_1D335AT	0.7	6	5.9	0.11
3.3	B	TCK_1D335BT	0.7	6	3.0	0.17
4.7	A	TCK_1D475AT	0.9	6	5.0	0.12
4.7	B	TCK_1D475BT	0.9	6	2.9	0.17
4.7	C	TCK_1D475CT	0.9	6	2.3	0.22
6.8	B	TCK_1D685BT	1.4	6	2.5	0.18
6.8	C	TCK_1D685CT	1.4	6	1.9	0.24



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20 WVDC AT + 85 °C, SURGE = 26 V . . . 13 WVDC AT + 125 °C, SURGE = 16 V						
10	B	TCK_1D106BT	2.0	6	2.5	0.18
10	C	TCK_1D106CT	2.0	6	1.7	0.25
15	B	TCK_1D156BT	3.0	6	2.3	0.19
15	C	TCK_1D156CT	3.0	6	1.5	0.27
15	D	TCK_1D156DT	3.0	6	0.9	0.41
22	B	TCK_1D226BT	4.4	6	2.1	0.20
22	C	TCK_1D226CT	4.4	6	1.1	0.32
22	D	TCK_1D226DT	4.4	6	0.7	0.46
33	C	TCK_1D336CT	6.6	6	1.0	0.33
33	D	TCK_1D336DT	6.6	6	0.7	0.46
47	D	TCK_1D476DT	9.4	6	0.7	0.46
47	E	TCK_1D476ET	9.4	6	0.6	0.52
68	D	TCK_1D686DT	13.6	6	0.7	0.46
68	E	TCK_1D686ET	13.6	6	0.6	0.52
100	E	TCK_1D107ET	20.0	8	0.5	0.57
25 WVDC AT + 85 °C, SURGE = 32 V . . . 17 WVDC AT + 125 °C, SURGE = 20 V						
0.47	A	TCK_1E474AT	0.5	4	12	0.08
0.68	A	TCK_1E684AT	0.5	4	8.4	0.09
1.0	A	TCK_1E105AT	0.5	4	7.6	0.10
1.0	B	TCK_1E105BT	0.5	4	5.0	0.13
1.5	A	TCK_1E155AT	0.5	6	6.7	0.11
1.5	B	TCK_1E155BT	0.5	6	4.6	0.14
2.2	A	TCK_1E225AT	0.6	6	6.3	0.11
2.2	B	TCK_1E225BT	0.6	6	3.8	0.15
3.3	B	TCK_1E335BT	0.8	6	3.1	0.17
3.3	C	TCK_1E335CT	0.8	6	2.3	0.22
4.7	B	TCK_1E475BT	1.2	6	2.8	0.17
4.7	C	TCK_1E475CT	1.2	6	2.0	0.24
6.8	B	TCK_1E685BT	1.7	6	2.4	0.19
6.8	C	TCK_1E685CT	1.7	6	1.7	0.25
10	B	TCK_1E106BT	2.5	6	2.3	0.19
10	C	TCK_1E106CT	2.5	6	1.5	0.27
10	D	TCK_1E106DT	2.5	6	1.0	0.39
15	C	TCK_1E156CT	3.	6	1.2	0.30
15	D	TCK_1E156DT	3.8	6	0.8	0.43
22	D	TCK_1E226DT	5.5	6	0.7	0.46
33	D	TCK_1E336DT	8.3	6	0.7	0.46
33	E	TCK_1E336ET	8.3	6	0.6	0.52
47	E	TCK_1E476ET	11.8	6	0.6	0.52



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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 (Ohms)	MAX. RIPPLE 100 kHz Irms (Amps)
35 WVDC AT + 85 °C, SURGE = 46 V . . . 23 WVDC AT + 125 °C, SURGE = 28 V						
0.10	A	TCK_1V104AT	0.5	4	20	0.06
0.15	A	TCK_1V154AT	0.5	4	18	0.07
0.22	A	TCK_1V224AT	0.5	4	15	0.07
0.33	A	TCK_1V334AT	0.5	4	13	0.08
0.47	A	TCK_1V474AT	0.5	4	10	0.09
0.47	B	TCK_1V474BT	0.5	4	8	0.10
0.68	A	TCK_1V684AT	0.5	4	7.6	0.10
0.68	B	TCK_1V684BT	0.5	4	6.5	0.11
1.0	A	TCK_1V105AT	0.5	4	7.5	0.10
1.0	B	TCK_1V105BT	0.5	4	5.0	0.13
1.5	B	TCK_1V155BT	0.5	6	4.2	0.14
1.5	C	TCK_1V155CT	0.5	6	3.8	0.17
2.2	B	TCK_1V225BT	0.8	6	3.8	0.15
2.2	C	TCK_1V225CT	0.8	6	2.9	0.20
3.3	B	TCK_1V335BT	1.2	6	3.5	0.16
3.3	C	TCK_1V335CT	1.2	6	2.1	0.23
4.7	C	TCK_1V475CT	1.6	6	1.9	0.24
4.7	D	TCK_1V475DT	1.6	6	1.3	0.34
6.8	C	TCK_1V685CT	2.4	6	1.8	0.25
6.8	D	TCK_1V685DT	2.4	6	1.1	0.37
10	C	TCK_1V106DT	3.5	6	0.7	0.46
10	D	TCK_1V106DT	3.5	6	0.8	0.43
15	D	TCK_1V156DT	5.3	6	0.7	0.46
15	E	TCK_1V156ET	5.3	6	0.7	0.49
22	D	TCK_1V226DT	7.7	6	0.6	0.52
22	E	TCK_1V226ET	7.7	6	0.6	0.52
50 WVDC AT + 85 °C, SURGE = 65 V . . . 33 WVDC AT + 125 °C, SURGE = 40 V						
0.10	A	TCK_1H104AT	0.5	4	19	0.06
0.15	A	TCK_1H154AT	0.5	4	17	0.07
0.15	B	TCK_1H154BT	0.5	4	14	0.08
0.22	A	TCK_1H224AT	0.5	4	15	0.07
0.22	B	TCK_1H224BT	0.5	4	12	0.08
0.33	A	TCK_1H334AT	0.5	4	14	0.07
0.33	B	TCK_1H334BT	0.5	4	10	0.09
0.47	A	TCK_1H474AT	0.5	4	12	0.08
0.47	B	TCK_1H474BT	0.5	4	8.4	0.10
0.47	C	TCK_1H474CT	0.5	4	6.7	0.13
0.68	B	TCK_1H684BT	0.5	4	7.6	0.11
0.68	C	TCK_1H684CT	0.5	4	5.9	0.14
1.0	B	TCK_1H105BT	0.5	4	6.7	0.11
1.0	C	TCK_1H105CT	0.5	4	4.6	0.16
1.5	C	TCK_1H155CT	0.8	6	3.4	0.18

Solid Tantalum Chip Capacitors

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 (Ohms)	MAX. RIPPLE 100 kHz Irms (Amps)
50 WVDC AT + 85 °C, SURGE = 65 V . . . 33 WVDC AT + 125 °C, SURGE = 40 V						
2.2	C	TCK_1H225CT	1.1	6	2.9	0.20
2.2	D	TCK_1H225DT	1.1	6	2.1	0.27
3.3	C	TCK_1H335CT	1.7	6	2.5	0.21
3.3	D	TCK_1H335DT	1.7	6	1.7	0.30
4.7	D	TCK_1H475DT	2.4	6	1.2	0.37
6.8	D	TCK_1H685DT	3.4	6	0.9	0.41
6.8	E	TCK_1H685ET	3.4	6	0.9	0.43
10	D	TCK_1H106DT	5.0	6	0.8	0.43
10	E	TCK_1H106ET	5.0	6	0.8	0.45