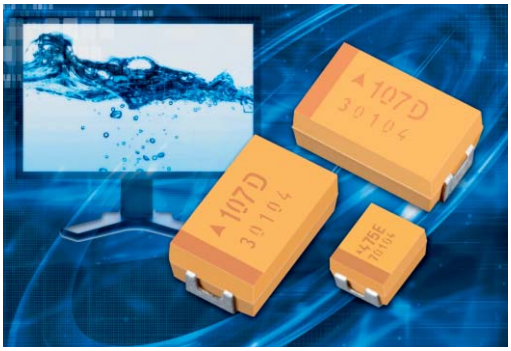
TAJ Series

Standard and Low Profile Tantalum Capacitors



FEATURES

- General purpose SMT chip tantalum series
- 17 case sizes available, standard and low profile down to 1mm maximum height
- CV range: 0.10 - 2200µF / 2.5 - 50V
- J-lead construction

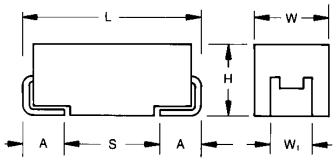
RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

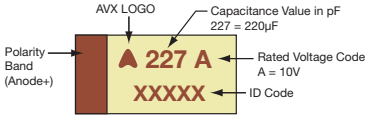
APPLICATIONS

- General low power DC/DC and LDO
- Entertainment / Infotainment systems
- Height restricted design

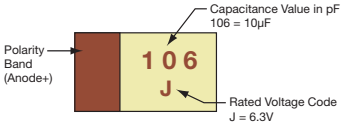


MARKING

A, B, C, D, E, F, H, K, S, T, U, V, W, X, Y CASE



P, R CASE



STANDARD CASE DIMENSIONS: millimeters (inches)

Code	EIA Code	EIA Metric	L±0.20 (0.008)	W+0.20 (0.008) -0.10 (0.004)	H+0.20 (0.008) -0.10 (0.004)	W_1±0.20 (0.008)	A+0.30 (0.012) -0.20 (0.008)	S Min.
A	1206	3216-18	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
B	1210	3528-21	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
C	2312	6032-28	6.00 (0.236)	3.20 (0.126)	2.60 (0.102)	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
D	2917	7343-31	7.30 (0.287)	4.30 (0.169)	2.90 (0.114)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
E	2917	7343-43	7.30 (0.287)	4.30 (0.169)	4.10 (0.162)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
U	2924	7361-43	7.30 (0.287)	6.10 (0.240)	4.10 (0.162)	3.10 (0.120)	1.30 (0.051)	4.40 (0.173)
V	2924	7361-38	7.30 (0.287)	6.10 (0.240)	3.55 (0.140)	3.10 (0.120)	1.30 (0.051)	4.40 (0.173)

W_1 dimension applies to the termination width for A dimensional area only.

LOW PROFILE CASE DIMENSIONS: millimeters (inches)

Code	EIA Code	EIA Metric	L±0.20 (0.008)	W+0.20 (0.008) -0.10 (0.004)	H Max.	W_1±0.20 (0.008)	A+0.30 (0.012) -0.20 (0.008)	S Min.
F	2312	6032-20	6.00 (0.236)	3.20 (0.126)	2.00 (0.079)	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
H	1210	3528-15	3.50 (0.138)	2.80 (0.110)	1.50 (0.059)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
K	1206	3216-10	3.20 (0.126)	1.60 (0.063)	1.00 (0.039)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
P	0805	2012-15	2.05 (0.081)	1.35 (0.053)	1.50 (0.059)	1.00±0.10 (0.039±0.004)	0.50 (0.020)	0.85 (0.033)
R	0805	2012-12	2.05 (0.081)	1.30 (0.051)	1.20 (0.047)	1.00±0.10 (0.039±0.004)	0.50 (0.020)	0.85 (0.033)
S	1206	3216-12	3.20 (0.126)	1.60 (0.063)	1.20 (0.047)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
T	1210	3528-12	3.50 (0.138)	2.80 (0.110)	1.20 (0.047)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
W	2312	6032-15	6.00 (0.236)	3.20 (0.126)	1.50 (0.059)	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
X	2917	7343-15	7.30 (0.287)	4.30 (0.169)	1.50 (0.059)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
Y	2917	7343-20	7.30 (0.287)	4.30 (0.169)	2.00 (0.079)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)

W_1 dimension applies to the termination width for A dimensional area only.

HOW TO ORDER

TAJ	C	106	M	035	R	NJ	—
Type	**Case Size** See table above	**Capacitance Code** pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow)	**Tolerance** K = ±10% M = ±20%	**Rated DC Voltage** 002 = 2.5Vdc 004 = 4Vdc 006 = 6.3Vdc 010 = 10Vdc 016 = 16Vdc 020 = 20Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc	**Packaging** R = Pure Tin 7" Reel S = Pure Tin 13" Reel A = Gold Plating 7" Reel B = Gold Plating 13" Reel H = Tin Lead 7" Reel K = Tin Lead 13" Reel H, K = Non RoHS A, B, H, K = please contact manufacturer	**Specification Suffix** NJ = Standard Suffix	**Additional characters may be added for special requirements** V = Dry pack Option (selected ratings only)

TECHNICAL SPECIFICATIONS

Technical Data:	All technical data relate to an ambient temperature of +25°C									
Capacitance Range:	0.10 µF to 2200 µF									
Capacitance Tolerance:	±10%; ±20%									
Rated Voltage (V_R)	≤ +85°C:	2.5	4	6.3	10	16	20	25	35	50
Category Voltage (V_C)	≤ +125°C:	1.7	2.7	4	7	10	13	17	23	33
Surge Voltage (V_S)	≤ +85°C:	3.3	5.2	8	13	20	26	32	46	65
Surge Voltage (V_S)	≤ +125°C:	2.2	3.4	5	8	13	16	20	28	40
Temperature Range:	-55°C to +125°C									
Reliability:	1% per 1000 hours at 85°C, V_R with 0.1Ω/V series impedance, 60% confidence level									
Qualification:	CECC 30801 - 005 issue 2 EIA 535BAAC for standard case sizes									
Termination Finished:	Sn Plating (standard), Gold and SnPb Plating upon request									
	For AEC-Q200 availability, please contact AVX									

TAJ Series

Standard and Low Profile Tantalum Capacitors

STANDARD TANTALUMS CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

Capacitance		Rated voltage DC (V_R) to 85°C								
µF	Code	2.5V (e)	4V (G)	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)
0.10	104								A	A
0.15	154								A	A/B
0.22	224								A	A/B
0.33	334								A	A/B
0.47	474							A	A/B	A/B/C
0.68	684						A	A	A/B	A/B/C
1.0	105					A	A	A	A/B	A/B/C
1.5	155				A	A	A	A/B	A/B/C	B/C/D
2.2	225			A	A	A/B	A/B	A/B	A/B/C	B/C/D
3.3	335			A	A	A/B	A/B	A/B/C	B/C	C/D
4.7	475		A	A	A/B	A/B	A/B/C	A/B/C	B/C/D	C/D
6.8	685		A	A/B	A/B	A/B/C	A/B/C	B/C	C/D	C/D
10	106		A	A/B	A/B/C	A/B/C	B/C	B/C/D	C/D/E	D/E/V
15	156		A/B	A/B	A/B/C	A/B/C	B/C/D	C/D	C/D	D/E/V
22	226		A	A/B/C	A/B/C	B/C/D	B/C/D	C/D	D/E	V
33	336	A	A/B	A/B/C	A/B/C/D	B/C/D	C/D	C/D/E	D/E/V	
47	476	A	A/B	A/B/C/D	B/C/D	C/D	C/D/E	D/E	D/E/V	
68	686	A	A/B/C	B/C/D	B/C/D	C/D	C(M)/D/E	D/E/V	V	
100	107	A/B	A/B/C	B/C/D	B/C/D/E	C/D/E	D/E/V	E/V		
150	157	B	B/C	B(M)/C/D	C/D/E	D/E/V	E/V	V(M)		
220	227	B/D	B/C/D	C/D/E	C/D/E	D(M)/E/V				
330	337	D	C/D/E	C/D/E	D/E/V	E(M)				
470	477	C/D	C/D/E	D/E/V	E/U/V					
680	687	C/D/E	D/E	D/E/V	E(M)/V(M)					
1000	108	D(M)/E	D/E/V	E(M)/V(M)						
1500	158	D/E/V(M)	E/V(M)							
2200	228	V(M)								

LOW PROFILE TANTALUMS CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

Capacitance		Rated voltage DC (V_R) to 85°C								
µF	Code	2.5V (e)	4V (G)	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)
0.10	104						R/S		R/S	S
0.15	154						R/S	R	R/S	S
0.22	224						R/S	R	R/S	P/R/S
0.33	334						R/S	R	R/S	P/R(M)/S/T
0.47	474						R/S	R/S	R/S/T	S/T
0.68	684					R/S	R/S/T	R/S	P/S/T	
1.0	105				R/S	R/S/T	R/S/T	P/R/S	P/S/T	W
1.5	155			R/S	R/S	R/S	P/R/S/T	P/S/T	T	W
2.2	225		R/S	R/S	R/S	R/S/T	P/R/S/T	T	T	W
3.3	335		R/S	R/S	R/S/T	R/S/T	T	T/W	W	Y
4.7	475	R	R/S	R/S/T	R/S/T	K/P/S/T	T	T/W	W	X/Y
6.8	685	R	R/S/T	R/S/T	P/R/S/T	S/T	T	W	Y	Y
10	106	R/S	R/S/T	P/R/S/T	K/P/R(M)/S/T	T/W	W	W	X/Y	
15	156	R	R/S/T	K/P/R/S/T	S/T/W	T(M)/W	W	Y	Y	
22	226	P/R	K/P/R/S/T	K/P(M)/S/T/W	T/W	W	W/Y	F/Y	Y	
33	336	K/P/S	K/P(M)/S/T/W	T/W	W	W/Y	X/Y	Y		
47	476	P(M)/S	T/W	T/W	H/W/Y	W/X/Y	X/Y	Y		
68	686	T	T/W	W	W/Y	F/X/Y	Y			
100	107	T/W	T(M)/W	W/Y	W/X/Y	F(M)/Y				
150	157	T(M)/W	W/Y	W/X/Y	F/X(M)/Y	Y(M)				
220	227	W/Y	W/X/Y	F/X/Y	Y					
330	337	W(M)/Y	F/X/Y	Y						
470	477	F/Y	Y	Y						
680	687	Y	Y(M)							
1000	108	Y(M)								

Not recommended for new designs; higher voltage or smaller case size alternatives are available.

Released ratings (M tolerance only)

Note: Voltage ratings are minimum values. AVX reserves the right to supply higher voltage ratings in the same case size, to the same reliability standards.

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (Ω)	100kHz RMS Current (mA)			MSL
										25°C	85°C	125°C	
2.5 Volt @ 85°C													
TAJR475*002#NJ	R	4.7	2.5	85	1.7	125	0.5	6	20	52	47	21	1
TAJR685*002#NJ	R	6.8	2.5	85	1.7	125	0.5	6	20	52	47	21	1
TAJR106*002#NJ	R	10	2.5	85	1.7	125	0.5	8	4.5	111	99	44	1
TAJS106*002#NJ	S	10	2.5	85	1.7	125	0.5	6	8	90	81	36	1
TAJR156*002#NJ	R	15	2.5	85	1.7	125	0.5	8	4.1	116	104	46	1
TAJP226*002#NJ	P	22	2.5	85	1.7	125	0.5	8	3.5	131	118	52	1
TAJR226*002#NJ	R	22	2.5	85	1.7	125	0.5	8	3.8	120	108	48	1
TAJA336*002#NJ	A	33	2.5	85	1.7	125	0.8	8	1.7	210	189	84	1
TAJK336*002#NJ	K	33	2.5	85	1.7	125	0.8	8	1.7	188	169	75	1
TAJP336*002#NJ	P	33	2.5	85	1.7	125	0.7	8	3.5	131	118	52	1
TAJS336*002#NJ	S	33	2.5	85	1.7	125	0.7	8	1.5	208	187	83	1
TAJA476*002#NJ	A	47	2.5	85	1.7	125	0.9	6	3	158	142	63	1
TAJP476M002#NJ	P	47	2.5	85	1.7	125	1.2	12	3.2	137	123	55	1
TAJS476*002#NJ	S	47	2.5	85	1.7	125	1.2	8	1.6	202	181	81	1
TAJA686*002#NJ	A	68	2.5	85	1.7	125	1.4	8	1.5	224	201	89	1
TAJT686*002#NJ	T	68	2.5	85	1.7	125	1.4	8	1.5	231	208	92	1
TAJA107*002#NJ	A	100	2.5	85	1.7	125	2.5	30	1.4	231	208	93	1
TAJB107*002#NJ	B	100	2.5	85	1.7	125	2.5	8	1.4	246	222	99	1
TAJT107*002#NJ	T	100	2.5	85	1.7	125	2.5	15	1.3	248	223	99	1
TAJW107*002#NJ	W	100	2.5	85	1.7	125	2.5	8	0.4	474	427	190	1
TAJB157*002#NJ	B	150	2.5	85	1.7	125	3	10	1.6	230	207	92	1
TAJT157M002#NJ	T	150	2.5	85	1.7	125	3.8	18	1.2	258	232	103	1
TAJW157*002#NJ	W	150	2.5	85	1.7	125	3.8	8	0.3	548	493	219	1
TAJB227*002#NJ	B	220	2.5	85	1.7	125	4.4	16	1.6	230	207	92	1
TAJD227*002#NJ	D	220	2.5	85	1.7	125	5.5	8	0.3	707	636	283	1
TAJW227*002#NJ	W	220	2.5	85	1.7	125	5.5	8	0.3	548	493	219	1
TAJY227*002#NJ	Y	220	2.5	85	1.7	125	5.5	8	0.3	645	581	258	1[1)]
TAJD337*002#NJ	D	330	2.5	85	1.7	125	8.2	8	0.3	707	636	283	1
TAJW337M002#NJ	W	330	2.5	85	1.7	125	8.2	12	0.3	548	493	219	1
TAJY337*002#NJ	Y	330	2.5	85	1.7	125	8.2	8	0.3	645	581	258	1[1)]
TAJC477*002#NJ	C	470	2.5	85	1.7	125	9.4	12	0.2	742	667	297	1
TAJD477*002#NJ	D	470	2.5	85	1.7	125	11.6	8	0.2	866	779	346	1
TAJF477*002#NJ	F	470	2.5	85	1.7	125	11.8	12	0.3	577	520	231	1
TAJY477*002#NJ	Y	470	2.5	85	1.7	125	11	12	0.2	791	712	316	1[1)]
TAJC687*002#NJ	C	680	2.5	85	1.7	125	17	18	0.2	742	667	297	1
TAJD687*002#NJ	D	680	2.5	85	1.7	125	17	16	0.2	866	779	346	1
TAJE687*002#NJ	E	680	2.5	85	1.7	125	17	10	0.2	908	817	363	1[1)]
TAJY687*002#NJ	Y	680	2.5	85	1.7	125	17	12	0.2	791	712	316	1[1)]
TAJD108M002#NJ	D	1000	2.5	85	1.7	125	25	20	0.2	866	779	346	1
TAJE108*002#NJ	E	1000	2.5	85	1.7	125	20	14	0.4	642	578	257	1[1)]
TAJY108M002#NJ	Y	1000	2.5	85	1.7	125	25	30	0.2	791	712	316	1[1)]
TAJD158*002#NJ	D	1500	2.5	85	1.7	125	37.5	60	0.2	866	779	346	1
TAJE158*002#NJ	E	1500	2.5	85	1.7	125	37	20	0.2	908	817	363	1[1)]
TAJV158M002#NJ	V	1500	2.5	85	1.7	125	30	20	0.2	1118	1006	447	1[1)]
TAJV228M002#NJ	V	2200	2.5	85	1.7	125	55	50	0.2	1118	1006	447	1[1)]
4 Volt @ 85°C													
TAJR225*004#NJ	R	2.2	4	85	2.7	125	0.5	6	25	47	42	19	1
TAJS225*004#NJ	S	2.2	4	85	2.7	125	0.5	6	25	51	46	20	1
TAJR335*004#NJ	R	3.3	4	85	2.7	125	0.5	6	20	52	47	21	1
TAJS335*004#NJ	S	3.3	4	85	2.7	125	0.5	6	18	60	54	24	1
TAJR475*004#NJ	R	4.7	4	85	2.7	125	0.5	6	12	68	61	27	1
TAJS475*004#NJ	S	4.7	4	85	2.7	125	0.5	6	10	81	73	32	1
TAJR685*004#NJ	R	6.8	4	85	2.7	125	0.5	6	5.2	103	93	41	1
TAJS685*004#NJ	S	6.8	4	85	2.7	125	0.5	6	8	90	81	36	1
TAJT685*004#NJ	T	6.8	4	85	2.7	125	0.5	6	6	115	104	46	1
TAJR106*004#NJ	R	10	4	85	2.7	125	0.5	6	7	89	80	35	1
TAJS106*004#NJ	S	10	4	85	2.7	125	0.5	6	6	104	94	42	1
TAJT106*004#NJ	T	10	4	85	2.7	125	0.5	6	5	126	114	51	1
TAJR156*004#NJ	R	15	4	85	2.7	125	0.6	8	4	117	106	47	1
TAJS156*004#NJ	S	15	4	85	2.7	125	0.6	8	4	127	115	51	1
TAJT156*004#NJ	T	15	4	85	2.7	125	0.6	6	2	200	180	80	1
TAJK226*004#NJ	K	22	4	85	2.7	125	0.9	8	1.8	183	164	73	1
TAJP226*004#NJ	P	22	4	85	2.7	125	0.9	8	4	122	110	49	1
TAJR226*004#NJ	R	22	4	85	2.7	125	0.9	8	3.8	120	108	48	1
TAJS226*004#NJ	S	22	4	85	2.7	125	0.9	8	3.5	136	123	55	1
TAJT226*004#NJ	T	22	4	85	2.7	125	0.9	6	1.9	205	185	82	1
TAJA336*004#NJ	A	33	4	85	2.7	125	1.3	6	3	158	142	63	1
TAJK336*004#NJ	K	33	4	85	2.7	125	1.3	10	1.7	188	169	75	1
TAJP336M004#NJ	P	33	4	85	2.7	125	1.3	8	2.8	146	132	59	1
TAJS336*004#NJ	S	33	4	85	2.7	125	1.3	8	1.7	196	176	78	1

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (Ω)	100kHz RMS Current (mA)			MSL
										25°C	85°C	125°C	
TAJT336*004#NJ	T	33	4	85	2.7	125	1.3	6	1.7	217	195	87	1
TAJW336*004#NJ	W	33	4	85	2.7	125	1.3	6	0.6	387	349	155	1
TAJA476*004#NJ	A	47	4	85	2.7	125	1.9	8	2.6	170	153	68	1
TAJT476*004#NJ	T	47	4	85	2.7	125	1.9	10	1.6	224	201	89	1
TAJW476*004#NJ	W	47	4	85	2.7	125	1.9	6	0.5	424	382	170	1
TAJA686*004#NJ	A	68	4	85	2.7	125	2.7	10	1.5	224	201	89	1
TAJB686*004#NJ	B	68	4	85	2.7	125	2.7	6	1.8	217	196	87	1
TAJT686*004#NJ	T	68	4	85	2.7	125	2.7	15	1.5	231	208	92	1
TAJW686*004#NJ	W	68	4	85	2.7	125	2.7	6	0.4	474	427	190	1
TAJA107*004#NJ	A	100	4	85	2.7	125	4	30	1.4	231	208	93	1
TAJB107*004#NJ	B	100	4	85	2.7	125	4	8	0.9	307	277	123	1
TAJT107M004#NJ	T	100	4	85	2.7	125	4	14	1.4	239	215	96	1
TAJW107*004#NJ	W	100	4	85	2.7	125	4	6	0.4	474	427	190	1
TAJB157*004#NJ	B	150	4	85	2.7	125	6	10	1.5	238	214	95	1
TAJC157*004#NJ	C	150	4	85	2.7	125	6	6	0.3	606	545	242	1
TAJW157*004#NJ	W	150	4	85	2.7	125	6	6	0.5	424	382	170	1
TAJY157*004#NJ	Y	150	4	85	2.7	125	6	6	0.4	559	503	224	1[1)]
TAJB227*004#NJ	B	220	4	85	2.7	125	8.8	12	1.1	278	250	111	1
TAJC227*004#NJ	C	220	4	85	2.7	125	8.8	8	1.2	303	272	121	1
TAJD227*004#NJ	D	220	4	85	2.7	125	8.8	8	0.9	408	367	163	1
TAJW227*004#NJ	W	220	4	85	2.7	125	8.8	8	0.3	548	493	219	1
TAJX227*004#NJ	X	220	4	85	2.7	125	8.8	8	0.9	577	520	231	1[1)]
TAJY227*004#NJ	Y	220	4	85	2.7	125	8.8	8	0.3	645	581	258	1[1)]
TAJC337*004#NJ	C	330	4	85	2.7	125	13.2	8	0.3	606	545	242	1
TAJD337*004#NJ	D	330	4	85	2.7	125	13.2	8	0.9	408	367	163	1
TAJF337*004#NJ	F	330	4	85	2.7	125	13.2	10	0.3	577	520	231	1
TAJX337*004#NJ	X	330	4	85	2.7	125	13.2	8	0.3	577	520	231	1[1)]
TAJY337*004#NJ	Y	330	4	85	2.7	125	13.2	12	0.4	559	503	224	1[1)]
TAJC477*004#NJ	C	470	4	85	2.7	125	18.8	14	0.3	606	545	242	1
TAJD477*004#NJ	D	470	4	85	2.7	125	18.8	12	0.9	408	367	163	1
TAJE477*004#NJ	E	470	4	85	2.7	125	18.8	10	0.5	574	517	230	1[1)]
TAJY477*004#NJ	Y	470	4	85	2.7	125	18.8	14	0.4	559	503	224	1[1)]
TAJD687*004#NJ	D	680	4	85	2.7	125	27.2	14	0.5	548	493	219	1
TAJE687*004#NJ	E	680	4	85	2.7	125	27.2	14	0.9	428	385	171	1[1)]
TAJY687M004#NJ	Y	680	4	85	2.7	125	27.2	25	0.2	791	712	316	1[1)]
TAJD108*004#NJ	D	1000	4	85	2.7	125	40	60	0.2	866	779	346	1
TAJE108*004#NJ	E	1000	4	85	2.7	125	40	14	0.4	642	578	257	1[1)]
TAJV108*004#NJ	V	1000	4	85	2.7	125	40	16	0.2	1118	1006	447	1[1)]
TAJE158*004#NJ	E	1500	4	85	2.7	125	60	30	0.2	908	817	363	1[1)]
TAJV158M004#NJ	V	1500	4	85	2.7	125	60	30	0.2	1118	1006	447	1[1)]
6.3 Volt @ 85°C													
TAJR155*006#NJ	R	1.5	6.3	85	4	125	0.5	6	25	47	42	19	1
TAJS155*006#NJ	S	1.5	6.3	85	4	125	0.5	6	25	51	46	20	1
TAJR225*006#NJ	R	2.2	6.3	85	4	125	0.5	6	20	52	47	21	1
TAJS225*006#NJ	S	2.2	6.3	85	4	125	0.5	6	18	60	54	24	1
TAJR335*006#NJ	R	3.3	6.3	85	4	125	0.5	6	12	68	61	27	1
TAJS335*006#NJ	S	3.3	6.3	85	4	125	0.5	6	9	85	76	34	1
TAJR475*006#NJ	R	4.7	6.3	85	4	125	0.5	6	7	89	80	35	1
TAJS475*006#NJ	S	4.7	6.3	85	4	125	0.5	6	7.5	93	84	37	1
TAJT475*006#NJ	T	4.7	6.3	85	4	125	0.5	6	6	115	104	46	1
TAJR685*006#NJ	R	6.8	6.3	85	4	125	0.5	8	7	89	80	35	1
TAJS685*006#NJ	S	6.8	6.3	85	4	125	0.5	6	2.6	158	142	63	1
TAJT685*006#NJ	T	6.8	6.3	85	4	125	0.5	6	5	126	114	51	1
TAJA106*006#NJ	A	10	6.3	85	4	125	0.6	6	4	137	123	55	1
TAJP106*006#NJ	P	10	6.3	85	4	125	0.6	8	6	100	90	40	1
TAJR106*006#NJ	R	10	6.3	85	4	125	0.6	8	6	96	86	38	1
TAJS106*006#NJ	S	10	6.3	85	4	125	0.6	8	4	127	115	51	1
TAJT106*006#NJ	T	10	6.3	85	4	125	0.6	6	4	141	127	57	1
TAJA156*006#NJ	A	15	6.3	85	4	125	0.9	6	3.5	146	132	59	1
TAJK156*006#NJ	K	15	6.3	85	4	125	0.9	6	2	173	156	69	1
TAJP156*006#NJ	P	15	6.3	85	4	125	0.9	8	3.5	131	118	52	1
TAJR156*006#NJ	R	15	6.3	85	4	125	0.9	8	4.1	116	104	46	1
TAJS156*006#NJ	S	15	6.3	85	4	125	0.9	8	3.5	136	123	55	1
TAJT156*006#NJ	T	15	6.3	85	4	125	0.9	6	3.5	151	136	60	1
TAJA226*006#NJ	A	22	6.3	85	4	125	1.4	6	3	158	142	63	1
TAJK226*006#NJ	K	22	6.3	85	4	125	1.3	10	1.8	183	164	73	1
TAJP226M006#NJ	P	22	6.3	85	4	125	1.3	8	3.3	135	121	54	1
TAJS226*006#NJ	S	22	6.3	85	4	125	1.3	10	1.8	190	171	76	1
TAJT226*006#NJ	T	22	6.3	85	4	125	1.4	8	2.5	179	161	72	1
TAJW226*006#NJ	W	22	6.3	85	4	125	1.3	6	0.6	387	349	155	1
TAJA336*006#NJ	A	33	6.3	85	4	125	2.1	8	2.2	185	166	74	1

TAJ Series

Standard and Low Profile Tantalum Capacitors

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (Ω)	100kHz RMS Current (mA)			MSL
										25°C	85°C	125°C	
TAJT336*006#NJ	T	33	6.3	85	4	125	2.1	10	2.5	179	161	72	1
TAJW336*006#NJ	W	33	6.3	85	4	125	2	6	0.5	424	382	170	1
TAJA476*006#NJ	A	47	6.3	85	4	125	2.8	10	1.6	217	195	87	1
TAJB476*006#NJ	B	47	6.3	85	4	125	3	6	2	206	186	82	1
TAJC476*006#NJ	C	47	6.3	85	4	125	3	6	1.6	262	236	105	1
TAJT476*006#NJ	T	47	6.3	85	4	125	2.8	10	1.6	224	201	89	1
TAJW476*006#NJ	W	47	6.3	85	4	125	2.8	6	0.5	424	382	170	1
TAJB686*006#NJ	B	68	6.3	85	4	125	4	8	0.9	307	277	123	1
TAJC686*006#NJ	C	68	6.3	85	4	125	4.3	6	1.5	271	244	108	1
TAJW686*006#NJ	W	68	6.3	85	4	125	4.3	6	1.5	245	220	98	1
TAJB107*006#NJ	B	100	6.3	85	4	125	6.3	10	1.7	224	201	89	1
TAJC107*006#NJ	C	100	6.3	85	4	125	6.3	6	0.9	350	315	140	1
TAJW107*006#NJ	W	100	6.3	85	4	125	6.3	6	0.9	316	285	126	1
TAJY107*006#NJ	Y	100	6.3	85	4	125	6.3	6	0.7	423	380	169	1[1)]
TAJB157M006#NJ	B	150	6.3	85	4	125	9.5	10	1.2	266	240	106	1
TAJC157*006#NJ	C	150	6.3	85	4	125	9.5	6	1.3	291	262	116	1
TAJD157*006#NJ	D	150	6.3	85	4	125	9.5	6	0.9	408	367	163	1
TAJW157*006#NJ	W	150	6.3	85	4	125	9	8	0.3	548	493	219	1
TAJX157*006#NJ	X	150	6.3	85	4	125	9	6	0.4	500	450	200	1[1)]
TAJY157*006#NJ	Y	150	6.3	85	4	125	9.5	6	0.4	559	503	224	1[1)]
TAJC227*006#NJ	C	220	6.3	85	4	125	13.9	8	1.2	303	272	121	1
TAJD227*006#NJ	D	220	6.3	85	4	125	13.9	8	0.4	612	551	245	1
TAJE227*006#NJ	E	220	6.3	85	4	125	13.9	8	0.4	642	578	257	1[1)]
TAJF227*006#NJ	F	220	6.3	85	4	125	13.2	10	0.3	577	520	231	1
TAJX227*006#NJ	X	220	6.3	85	4	125	13.2	8	0.3	577	520	231	1[1)]
TAJY227*006#NJ	Y	220	6.3	85	4	125	13.9	8	0.7	423	380	169	1[1)]
TAJC337*006#NJ	C	330	6.3	85	4	125	19.8	12	0.5	469	422	188	1
TAJD337*006#NJ	D	330	6.3	85	4	125	20.8	8	0.4	612	551	245	1
TAJE337*006#NJ	E	330	6.3	85	4	125	20.8	8	0.4	642	578	257	1[1)]
TAJY337*006#NJ	Y	330	6.3	85	4	125	20.8	12	0.4	559	503	224	1[1)]
TAJD477*006#NJ	D	470	6.3	85	4	125	28	12	0.4	612	551	245	1
TAJE477*006#NJ	E	470	6.3	85	4	125	28	10	0.4	642	578	257	1[1)]
TAJV477*006#NJ	V	470	6.3	85	4	125	28	10	0.4	791	712	316	1[1)]
TAJY477*006#NJ	Y	470	6.3	85	4	125	28.2	20	0.2	791	712	316	1[1)]
TAJD687*006#NJV	D	680	6.3	85	4	125	40.8	20	0.5	548	493	219	3
TAJE687*006#NJ	E	680	6.3	85	4	125	42.8	10	0.5	574	517	230	1[1)]
TAJV687*006#NJ	V	680	6.3	85	4	125	42.8	10	0.5	707	636	283	1[1)]
TAJE108M006#NJ	E	1000	6.3	85	4	125	60	20	0.2	908	817	363	1[1)]
TAJV108M006#NJ	V	1000	6.3	85	4	125	60	16	0.2	1118	1006	447	1[1)]
10 Volt @ 85°C													
TAJR105*010#NJ	R	1	10	85	7	125	0.5	4	25	47	42	19	1
TAJS105*010#NJ	S	1	10	85	7	125	0.5	4	25	51	46	20	1
TAJR155*010#NJ	R	1.5	10	85	7	125	0.5	6	20	52	47	21	1
TAJS155*010#NJ	S	1.5	10	85	7	125	0.5	6	20	57	51	23	1
TAJR225*010#NJ	R	2.2	10	85	7	125	0.5	6	15	61	54	24	1
TAJS225*010#NJ	S	2.2	10	85	7	125	0.5	6	12	74	66	29	1
TAJR335*010#NJ	R	3.3	10	85	7	125	0.5	6	8	83	75	33	1
TAJS335*010#NJ	S	3.3	10	85	7	125	0.5	6	8	90	81	36	1
TAJT335*010#NJ	T	3.3	10	85	7	125	0.5	6	6	115	104	46	1
TAJA475*010#NJ	A	4.7	10	85	7	125	0.5	6	5	122	110	49	1
TAJR475*010#NJ	R	4.7	10	85	7	125	0.5	6	9	78	70	31	1
TAJS475*010#NJ	S	4.7	10	85	7	125	0.5	6	5	114	103	46	1
TAJT475*010#NJ	T	4.7	10	85	7	125	0.5	6	5	126	114	51	1
TAJA685*010#NJ	A	6.8	10	85	7	125	0.7	6	4	137	123	55	1
TAJP685*010#NJ	P	6.8	10	85	7	125	0.6	6	5	110	99	44	1
TAJR685*010#NJ	R	6.8	10	85	7	125	0.7	6	5.2	103	93	41	1
TAJS685*010#NJ	S	6.8	10	85	7	125	0.7	6	4	127	115	51	1
TAJT685*010#NJ	T	6.8	10	85	7	125	0.7	6	4	141	127	57	1
TAJA106*010#NJ	A	10	10	85	7	125	1	6	3	158	142	63	1
TAJK106*010#NJ	K	10	10	85	7	125	1	6	2.2	165	149	66	1
TAJP106*010#NJ	P	10	10	85	7	125	1	8	6	100	90	40	1
TAJR106M010#NJ	R	10	10	85	7	125	1	20	6	96	86	38	1
TAJS106*010#NJ	S	10	10	85	7	125	1	8	3	147	132	59	1
TAJT106*010#NJ	T	10	10	85	7	125	1	6	3	163	147	65	1
TAJA156*010#NJ	A	15	10	85	7	125	1.5	6	3.2	153	138	61	1
TAJB156*010#NJ	B	15	10	85	7	125	1.5	6	2.8	174	157	70	1
TAJS156*010#NJ	S	15	10	85	7	125	1.5	6	2	180	162	72	1
TAJT156*010#NJ	T	15	10	85	7	125	1.5	8	2.8	169	152	68	1
TAJW156*010#NJ	W	15	10	85	7	125	1.5	6	0.7	359	323	143	1
TAJA226*010#NJ	A	22	10	85	7	125	2.2	8	3	158	142	63	1
TAJB226*010#NJ	B	22	10	85	7	125	2.2	6	2.4	188	169	75	1

TAJ Series

Standard and Low Profile Tantalum Capacitors

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (Ω)	100kHz RMS Current (mA)			MSL
										25°C	85°C	125°C	
TAJT226*010#NJ	T	22	10	85	7	125	2.2	8	2.2	191	172	76	1
TAJW226*010#NJ	W	22	10	85	7	125	2.2	6	0.6	387	349	155	1
TAJA336*010#NJ	A	33	10	85	7	125	3.3	8	1.7	210	189	84	1
TAJB336*010#NJ	B	33	10	85	7	125	3.3	6	1.8	217	196	87	1
TAJC336*010#NJ	C	33	10	85	7	125	3.3	6	1.6	262	236	105	1
TAJW336*010#NJ	W	33	10	85	7	125	3.3	6	1.6	237	213	95	1
TAJB476*010#NJ	B	47	10	85	7	125	4.7	8	1	292	262	117	1
TAJC476*010#NJ	C	47	10	85	7	125	4.7	6	1.2	303	272	121	1
TAJH476*006#NJ	H	47	10	85	7	125	4.7	8	1.0	283	255	113	1
TAJW476*010#NJ	W	47	10	85	7	125	4.7	6	1.4	254	228	101	1
TAJY476*010#NJ	Y	47	10	85	7	125	4.7	6	0.5	500	450	200	1[1)]
TAJB686*010#NJ	B	68	10	85	7	125	6.8	6	1.4	246	222	99	1
TAJC686*010#NJ	C	68	10	85	7	125	6.8	6	1.3	291	262	116	1
TAJW686*010#NJ	W	68	10	85	7	125	6.8	6	1.2	274	246	110	1
TAJY686*010#NJ	Y	68	10	85	7	125	6.8	6	0.9	373	335	149	1[1)]
TAJB107*010#NJ	B	100	10	85	7	125	10	8	1.4	246	222	99	1
TAJC107*010#NJ	C	100	10	85	7	125	10	8	1.2	303	272	121	1
TAJD107*010#NJ	D	100	10	85	7	125	10	6	0.9	408	367	163	1
TAJW107*010#NJ	W	100	10	85	7	125	10	6	0.4	474	427	190	1
TAJX107*010#NJ	X	100	10	85	7	125	10	8	0.9	333	300	133	1[1)]
TAJY107*010#NJ	Y	100	10	85	7	125	10	6	0.9	373	335	149	1[1)]
TAJC157*010#NJ	C	150	10	85	7	125	15	8	0.9	350	315	140	1
TAJD157*010#NJ	D	150	10	85	7	125	15	8	0.9	408	367	163	1
TAJE157*010#NJ	E	150	10	85	7	125	15	8	0.9	428	385	171	1[1)]
TAJF157*010#NJ	F	150	10	85	7	125	15	10	0.3	577	520	231	1
TAJX157M010#NJ	X	150	10	85	7	125	15	6	0.3	577	520	231	1[1)]
TAJY157*010#NJ	Y	150	10	85	7	125	15	6	1.2	323	290	129	1[1)]
TAJC227*010#NJ	C	220	10	85	7	125	22	16	0.5	469	422	188	1
TAJD227*010#NJ	D	220	10	85	7	125	22	8	0.5	548	493	219	1
TAJE227*010#NJ	E	220	10	85	7	125	22	8	0.5	574	517	230	1[1)]
TAJY227*010#NJ	Y	220	10	85	7	125	22	10	0.5	500	450	200	1[1)]
TAJD337*010#NJ	D	330	10	85	7	125	33	8	0.9	408	367	163	1
TAJE337*010#NJ	E	330	10	85	7	125	33	8	0.9	428	385	171	1[1)]
TAJV337*010#NJ	V	330	10	85	7	125	33	10	0.9	572	474	211	1[1)]
TAJE477*010#NJ	E	470	10	85	7	125	47	10	0.5	574	517	230	1[1)]
TAJU477*010RNJ	U	470	10	85	7	125	47	12	0.5	574	517	230	1[1)]
TAJV477*010#NJ	V	470	10	85	7	125	47	10	0.5	707	636	283	1[1)]
TAJE687M010#NJV	E	680	10	85	7	125	68	18	0.4	642	578	257	3
TAJV687M010#NJV	V	680	10	85	7	125	68	18	0.4	791	712	316	3
16 Volt @ 85°C													
TAJR684*016#NJ	R	0.68	16	85	10	125	0.5	4	25	47	42	19	1
TAJS684*016#NJ	S	0.68	16	85	10	125	0.5	4	25	51	46	20	1
TAJR105*016#NJ	R	1	16	85	10	125	0.5	4	20	52	47	21	1
TAJS105*016#NJ	S	1	16	85	10	125	0.5	4	15	66	59	26	1
TAJT105*016#NJ	T	1	16	85	10	125	0.5	4	5	126	114	51	1
TAJR155*016#NJ	R	1.5	16	85	10	125	0.5	6	10	74	67	30	1
TAJS155*016#NJ	S	1.5	16	85	10	125	0.5	6	12	74	66	29	1
TAJA225*016#NJ	A	2.2	16	85	10	125	0.5	6	6.5	107	97	43	1
TAJR225*016#NJ	R	2.2	16	85	10	125	0.5	6	6.5	92	83	37	1
TAJS225*016#NJ	S	2.2	16	85	10	125	0.5	6	6	104	94	42	1
TAJT225*016#NJ	T	2.2	16	85	10	125	0.5	6	6.5	111	100	44	1
TAJA335*016#NJ	A	3.3	16	85	10	125	0.5	6	5	122	110	49	1
TAJB335*016#NJ	B	3.3	16	85	10	125	0.5	6	4.5	137	124	55	1
TAJR335*016#NJ	R	3.3	16	85	10	125	0.5	8	5	105	94	42	1
TAJS335*016#NJ	S	3.3	16	85	10	125	0.5	6	5	114	103	46	1
TAJT335*016#NJ	T	3.3	16	85	10	125	0.5	6	5	126	114	51	1
TAJA475*016#NJ	A	4.7	16	85	10	125	0.8	6	4	137	123	55	1
TAJB475*016#NJ	B	4.7	16	85	10	125	0.8	6	3.5	156	140	62	1
TAJK475*016#NJ	K	4.7	16	85	10	125	0.8	6	3.1	139	125	56	1
TAJP475*016#NJ	P	4.7	16	85	10	125	0.8	8	5	110	99	44	1
TAJS475*016#NJ	S	4.7	16	85	10	125	0.8	8	4	127	115	51	1
TAJT475*016#NJ	T	4.7	16	85	10	125	0.8	6	3.1	161	145	64	1
TAJA685*016#NJ	A	6.8	16	85	10	125	1.1	6	3.5	146	132	59	1
TAJB685*016#NJ	B	6.8	16	85	10	125	1.1	6	2.5	184	166	74	1
TAJS685*016#NJ	S	6.8	16	85	10	125	1.1	8	2.4	165	148	66	1
TAJT685*016#NJ	T	6.8	16	85	10	125	1.1	6	3.5	151	136	60	1
TAJA106*016#NJ	A	10	16	85	10	125	1.6	6	3	158	142	63	1
TAJB106*016#NJ	B	10	16	85	10	125	1.6	6	2.8	174	157	70	1
TAJC106*016#NJ	C	10	16	85	10	125	1.6	6	2	235	211	94	1
TAJT106*016#NJ	T	10	16	85	10	125	1.6	8	2.2	191	172	76	1
TAJW106*016#NJ	W	10	16	85	10	125	1.6	6	2	212	191	85	1

TAJ Series

Standard and Low Profile Tantalum Capacitors

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (Ω)	100kHz RMS Current (mA)			MSL
										25°C	85°C	125°C	
TAJA156*016#NJ	A	15	16	85	10	125	2.4	6	2	194	174	77	1
TAJB156*016#NJ	B	15	16	85	10	125	2.4	6	2.5	184	166	74	1
TAJC156*016#NJ	C	15	16	85	10	125	2.4	6	1.8	247	222	99	1
TAJT156M016#NJ	T	15	16	85	10	125	2.4	6	2	200	180	80	1
TAJW156*016#NJ	W	15	16	85	10	125	2.4	6	0.7	359	323	143	1
TAJB226*016#NJ	B	22	16	85	10	125	3.5	6	2.3	192	173	77	1
TAJC226*016#NJ	C	22	16	85	10	125	3.5	6	1	332	298	133	1
TAJD226*016#NJ	D	22	16	85	10	125	3.5	6	1.1	369	332	148	1
TAJW226*016#NJ	W	22	16	85	10	125	3.5	6	1.6	237	213	95	1
TAJB336*016#NJ	B	33	16	85	10	125	5.3	8	2.1	201	181	80	1
TAJC336*016#NJ	C	33	16	85	10	125	5.3	6	1.5	271	244	108	1
TAJD336*016#NJ	D	33	16	85	10	125	5.3	6	0.9	408	367	163	1
TAJW336*016#NJ	W	33	16	85	10	125	5.3	6	1.5	245	220	98	1
TAJY336*016#NJ	Y	33	16	85	10	125	5.3	6	0.9	373	335	149	1[1)]
TAJC476*016#NJ	C	47	16	85	10	125	7.5	6	0.5	469	422	188	1
TAJD476*016#NJ	D	47	16	85	10	125	7.5	6	0.9	408	367	163	1
TAJW476*016#NJ	W	47	16	85	10	125	7.5	6	0.4	474	427	190	1
TAJX476*016#NJ	X	47	16	85	10	125	7.5	6	0.75	365	329	146	1[1)]
TAJY476*016#NJ	Y	47	16	85	10	125	7.5	6	0.7	423	380	169	1[1)]
TAJC686*016#NJ	C	68	16	85	10	125	10.9	6	1.3	291	262	116	1
TAJD686*016#NJ	D	68	16	85	10	125	10.9	6	0.9	408	367	163	1
TAJF686*016#NJ	F	68	16	85	10	125	10.9	10	0.4	500	450	200	1
TAJX686*016#NJ	X	68	16	85	10	125	10.9	8	0.6	408	367	163	1[1)]
TAJY686*016#NJ	Y	68	16	85	10	125	10.9	6	0.9	373	335	149	1[1)]
TAJC107*016#NJ	C	100	16	85	10	125	16	8	1	332	298	133	1
TAJD107*016#NJ	D	100	16	85	10	125	16	6	0.6	500	450	200	1
TAJE107*016#NJ	E	100	16	85	10	125	16	6	0.9	428	385	171	1[1)]
TAJF107M016#NJ	F	100	16	85	10	125	16	10	0.4	500	450	200	1
TAJY107*016#NJ	Y	100	16	85	10	125	16	8	0.9	373	335	149	1[1)]
TAJD157*016#NJ	D	150	16	85	10	125	24	6	0.9	408	367	163	1
TAJE157*016#NJ	E	150	16	85	10	125	23	8	0.3	742	667	297	1[1)]
TAJV157*016#NJ	V	150	16	85	10	125	24	8	0.5	707	636	283	1[1)]
TAJY157M016#NJ	Y	150	16	85	10	125	24	15	0.3	645	581	258	1[1)]
TAJD227M016#NJV	D	220	16	85	10	125	35.2	10	0.5	548	493	219	3
TAJE227*016#NJ	E	220	16	85	10	125	35.2	10	0.5	574	517	230	1[1)]
TAJV227*016#NJ	V	220	16	85	10	125	35.2	8	0.9	527	474	211	1[1)]
TAJE337M016#NJ	E	330	16	85	10	125	52.8	30	0.4	642	578	257	1[1)]
20 Volt @ 85°C													
TAJR104*020#NJ	R	0.1	20	85	13	125	0.5	4	25	47	42	19	1
TAJS104*020#NJ	S	0.1	20	85	13	125	0.5	4	25	51	46	20	1
TAJR154*020#NJ	R	0.15	20	85	13	125	0.5	4	25	47	42	19	1
TAJS154*020#NJ	S	0.15	20	85	13	125	0.5	4	25	51	46	20	1
TAJR224*020#NJ	R	0.22	20	85	13	125	0.5	4	25	47	42	19	1
TAJS224*020#NJ	S	0.22	20	85	13	125	0.5	4	25	51	46	20	1
TAJR334*020#NJ	R	0.33	20	85	13	125	0.5	4	25	47	42	19	1
TAJS334*020#NJ	S	0.33	20	85	13	125	0.5	4	25	51	46	20	1
TAJR474*020#NJ	R	0.47	20	85	13	125	0.5	4	25	47	42	19	1
TAJS474*020#NJ	S	0.47	20	85	13	125	0.5	4	25	51	46	20	1
TAJR684*020#NJ	R	0.68	20	85	13	125	0.5	4	20	52	47	21	1
TAJS684*020#NJ	S	0.68	20	85	13	125	0.5	4	25	51	46	20	1
TAJT684*020#NJ	T	0.68	20	85	13	125	0.5	4	15	73	66	29	1
TAJA105*020#NJ	A	1	20	85	13	125	0.5	4	9	91	82	37	1
TAJR105*020#NJ	R	1	20	85	13	125	0.5	4	20	52	47	21	1
TAJS105*020#NJ	S	1	20	85	13	125	0.5	4	12	74	66	29	1
TAJT105*020#NJ	T	1	20	85	13	125	0.5	4	9	94	85	38	1
TAJA155*020#NJ	A	1.5	20	85	13	125	0.5	6	6.5	107	97	43	1
TAJP155*020#NJ	P	1.5	20	85	13	125	0.5	6	9.6	79	71	32	1
TAJR155*020#NJ	R	1.5	20	85	13	125	0.5	6	9.6	76	68	30	1
TAJS155*020#NJ	S	1.5	20	85	13	125	0.5	6	5.4	110	99	44	1
TAJT155*020#NJ	T	1.5	20	85	13	125	0.5	6	6.5	111	100	44	1
TAJA225*020#NJ	A	2.2	20	85	13	125	0.5	6	5.3	119	107	48	1
TAJB225*020#NJ	B	2.2	20	85	13	125	0.5	6	3.5	156	140	62	1
TAJP225*020#NJ	P	2.2	20	85	13	125	0.5	6	8.3	85	77	34	1
TAJR225*020#NJ	R	2.2	20	85	13	125	0.5	6	6	96	86	38	1
TAJS225*020#NJ	S	2.2	20	85	13	125	0.5	6	4.5	120	108	48	1
TAJT225*020#NJ	T	2.2	20	85	13	125	0.5	6	6	115	104	46	1
TAJA335*020#NJ	A	3.3	20	85	13	125	0.7	6	4.5	129	116	52	1
TAJB335*020#NJ	B	3.3	20	85	13	125	0.7	6	3	168	151	67	1
TAJT335*020#NJ	T	3.3	20	85	13	125	0.7	6	3	163	147	65	1
TAJA475*020#NJ	A	4.7	20	85	13	125	0.9	6	4	137	123	55	1
TAJB475*020#NJ	B	4.7	20	85	13	125	0.9	6	3	168	151	67	1
TAJT475*020#NJ	T	4.7	20	85	13	125	0.9	6	3.1	161	145	64	1

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (Ω)	100kHz RMS Current (mA)			MSL
										25°C	85°C	125°C	
TAJA685*020#NJ	A	6.8	20	85	13	125	1.4	6	2.4	177	159	71	1
TAJB685*020#NJ	B	6.8	20	85	13	125	1.4	6	2.5	184	166	74	1
TAJC685*020#NJ	C	6.8	20	85	13	125	1.4	6	2	235	211	94	1
TAJT685*020#NJ	T	6.8	20	85	13	125	1.4	6	2.6	175	158	70	1
TAJB106*020#NJ	B	10	20	85	13	125	2	6	2.1	201	181	80	1
TAJC106*020#NJ	C	10	20	85	13	125	2	6	1.2	303	272	121	1
TAJW106*020#NJ	W	10	20	85	13	125	2	6	1.9	218	196	87	1
TAJB156*020#NJ	B	15	20	85	13	125	3	6	2	206	186	82	1
TAJC156*020#NJ	C	15	20	85	13	125	3	6	1.7	254	229	102	1
TAJW156*020#NJ	W	15	20	85	13	125	3	6	1.7	230	207	92	1
TAJB226*020#NJ	B	22	20	85	13	125	4.4	6	1.8	217	196	87	1
TAJC226*020#NJ	C	22	20	85	13	125	4.4	6	1.6	262	236	105	1
TAJD226*020#NJ	D	22	20	85	13	125	4.4	6	0.9	408	367	163	1
TAJW226*020#NJ	W	22	20	85	13	125	4.4	6	1.6	237	213	95	1
TAJY226*020#NJ	Y	22	20	85	13	125	4.4	6	0.9	373	335	149	1[1)]
TAJC336*020#NJ	C	33	20	85	13	125	6.6	6	1.5	271	244	108	1
TAJD336*020#NJ	D	33	20	85	13	125	6.6	6	0.9	408	367	163	1
TAJX336*020#NJ	X	33	20	85	13	125	6.6	6	0.5	447	402	179	1[1)]
TAJY336*020#NJ	Y	33	20	85	13	125	6.6	6	0.6	456	411	183	1[1)]
TAJC476*020#NJ	C	47	20	85	13	125	9.4	6	0.5	469	422	188	1
TAJD476*020#NJ	D	47	20	85	13	125	9.4	6	0.9	408	367	163	1
TAJE476*020#NJ	E	47	20	85	13	125	9.4	6	0.9	428	385	171	1[1)]
TAJX476*020#NJ	X	47	20	85	13	125	9.4	6	0.4	500	450	200	1[1)]
TAJY476*020#NJ	Y	47	20	85	13	125	9.4	6	0.9	373	335	149	1[1)]
TAJC686M020#NJ	C	68	20	85	13	125	13.6	8	0.5	469	422	188	1
TAJD686*020#NJ	D	68	20	85	13	125	13.6	6	0.4	612	551	245	1
TAJE686*020#NJ	E	68	20	85	13	125	13.6	6	0.9	428	385	171	1[1)]
TAJY686*020#NJ	Y	68	20	85	13	125	13.6	6	0.9	373	335	149	1[1)]
TAJD107*020#NJ	D	100	20	85	13	125	20	6	0.5	548	493	219	1
TAJE107*020#NJ	E	100	20	85	13	125	20	6	0.4	642	578	257	1[1)]
TAJV107*020#NJ	V	100	20	85	13	125	20	8	0.9	527	474	211	1[1)]
TAJE157*020#NJ	E	150	20	85	13	125	30	8	0.3	742	667	297	1[1)]
TAJV157*020#NJ	V	150	20	85	13	125	30	8	0.3	913	822	365	1[1)]
25 Volt @ 85°C													
TAJR154*025#NJ	R	0.15	25	85	17	125	0.5	4	24	48	43	19	1
TAJR224*025#NJ	R	0.15	25	85	17	125	0.5	4	21	51	46	20	1
TAJR334*025#NJ	R	0.15	25	85	17	125	0.5	4	17	57	51	23	1
TAJA474*025#NJ	A	0.47	25	85	17	125	0.5	4	14	73	66	29	1
TAJR474*025#NJ	R	0.47	25	85	17	125	0.5	4	15	61	54	24	1
TAJS474*025#NJ	S	0.47	25	85	17	125	0.5	4	9	85	76	34	1
TAJA684*025#NJ	A	0.68	25	85	17	125	0.5	4	10	87	78	35	1
TAJR684*025#NJ	R	0.68	25	85	17	125	0.5	4	13	65	59	26	1
TAJS684*025#NJ	S	0.68	25	85	17	125	0.5	4	8	90	81	36	1
TAJA105*025#NJ	A	1	25	85	17	125	0.5	4	8	97	87	39	1
TAJP105*025#NJ	P	1	25	85	17	125	0.5	4	11	74	66	30	1
TAJR105*025#NJ	R	1	25	85	17	125	0.5	4	8	83	75	33	1
TAJS105*025#NJ	S	1	25	85	17	125	0.5	4	8	90	81	36	1
TAJA155*025#NJ	A	1.5	25	85	17	125	0.5	6	7.5	100	90	40	1
TAJB155*025#NJ	B	1.5	25	85	17	125	0.5	6	5	130	117	52	1
TAJP155*025#NJ	P	1.5	25	85	17	125	0.5	6	9.6	79	71	32	1
TAJS155*025#NJ	S	1.5	25	85	17	125	0.5	6	5.4	110	99	44	1
TAJT155*025#NJ	T	1.5	25	85	17	125	0.5	6	5	126	114	51	1
TAJA225*025#NJ	A	2.2	25	85	17	125	0.6	6	7	104	93	41	1
TAJB225*025#NJ	B	2.2	25	85	17	125	0.6	6	4.5	137	124	55	1
TAJT225*025#NJ	T	2.2	25	85	17	125	0.6	6	4.5	133	120	53	1
TAJA335*025#NJ	A	3.3	25	85	17	125	0.8	6	3.7	142	128	57	1
TAJB335*025#NJ	B	3.3	25	85	17	125	0.8	6	3.5	156	140	62	1
TAJT335*025#NJ	T	3.3	25	85	17	125	0.8	6	3.5	151	136	60	1
TAJW335*025#NJ	W	3.3	25	85	17	125	0.8	6	1.6	237	213	95	1
TAJA475*025#NJ	A	4.7	25	85	17	125	1.2	6	3.1	156	140	62	1
TAJB475*025#NJ	B	4.7	25	85	17	125	1.2	6	1.5	238	214	95	1
TAJT475*025#NJ	T	4.7	25	85	17	125	1.2	6	3.1	161	145	64	1
TAJW475*025#NJ	W	4.7	25	85	17	125	1.2	6	1.2	274	246	110	1
TAJB685*025#NJ	B	6.8	25	85	17	125	1.7	6	2.8	174	157	70	1
TAJC685*025#NJ	C	6.8	25	85	17	125	1.7	6	2	235	211	94	1
TAJW685*025#NJ	W	6.8	25	85	17	125	1.7	6	2	212	191	85	1
TAJB106*025#NJ	B	10	25	85	17	125	2.5	6	2.5	184	166	74	1
TAJC106*025#NJ	C	10	25	85	17	125	2.5	6	1.8	247	222	99	1
TAJD106*025#NJ	D	10	25	85	17	125	2.5	6	1.2	354	318	141	1
TAJW106*025#NJ	W	10	25	85	17	125	2.5	6	1.8	224	201	89	1
TAJC156*025#NJ	C	15	25	85	17	125	3.8	6	1.6	262	236	105	1

TAJ Series

Standard and Low Profile Tantalum Capacitors

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (Ω)	100kHz RMS Current (mA)			MSL
										25°C	85°C	125°C	
TAJD156*025#NJ	D	15	25	85	17	125	3.8	6	1	387	349	155	1
TAJY156*025#NJ	Y	15	25	85	17	125	3.8	6	1	354	318	141	1[1)]
TAJC226*025#NJ	C	22	25	85	17	125	5.5	6	1.4	280	252	112	1
TAJD226*025#NJ	D	22	25	85	17	125	5.5	6	0.9	408	367	163	1
TAJF226*025#NJ	F	22	25	85	17	125	5.5	6	1	316	285	126	1
TAJY226*025#NJ	Y	22	25	85	17	125	5.5	6	0.8	395	356	158	1[1)]
TAJC336*025#NJ	C	33	25	85	17	125	8.3	6	0.9	350	315	140	1
TAJD336*025#NJ	D	33	25	85	17	125	8.3	6	0.9	408	367	163	1
TAJE336*025#NJ	E	33	25	85	17	125	8.3	6	0.9	428	385	171	1[1)]
TAJY336*025#NJ	Y	33	25	85	17	125	8.3	6	0.5	500	450	200	1[1)]
TAJD476*025#NJ	D	47	25	85	17	125	11.8	6	0.9	408	367	163	1
TAJE476*025#NJ	E	47	25	85	17	125	11.8	6	0.9	428	385	171	1[1)]
TAJY476*025#NJ	Y	47	25	85	17	125	11.8	6	0.9	373	335	149	1[1)]
TAJD686*025#NJ	D	68	25	85	17	125	17	6	0.9	408	367	163	1
TAJE686*025#NJ	E	68	25	85	17	125	17	6	0.9	428	385	171	1[1)]
TAJV686*025#NJ	V	68	25	85	17	125	17	6	0.9	527	474	211	1[1)]
TAJE107*025#NJ	E	100	25	85	17	125	25	10	0.3	742	667	297	1[1)]
TAJV107*025#NJ	V	100	25	85	17	125	25	8	0.4	791	712	316	1[1)]
TAJV157M025#NJ	V	150	25	85	17	125	37.5	10	0.4	791	712	316	1[1)]
35 Volt @ 85°C													
TAJA104*035#NJ	A	0.1	35	85	23	125	0.5	4	24	56	50	22	1
TAJR104*035#NJ	R	0.1	35	85	23	125	0.5	4	29	44	39	17	1
TAJS104*035#NJ	S	0.1	35	85	23	125	0.5	4	24	52	47	21	1
TAJA154*035#NJ	A	0.15	35	85	23	125	0.5	4	21	60	54	24	1
TAJR154*035#NJ	R	0.15	35	85	23	125	0.5	4	24	48	43	19	1
TAJS154*035#NJ	S	0.15	35	85	23	125	0.5	4	21	56	50	22	1
TAJA224*035#NJ	A	0.22	35	85	23	125	0.5	4	18	65	58	26	1
TAJR224*035#NJ	R	0.22	35	85	23	125	0.5	4	21	51	46	20	1
TAJS224*035#NJ	S	0.22	35	85	23	125	0.5	4	18	60	54	24	1
TAJA334*035#NJ	A	0.33	35	85	23	125	0.5	4	15	71	64	28	1
TAJR334*035#NJ	R	0.33	35	85	23	125	0.5	4	17	57	51	23	1
TAJS334*035#NJ	S	0.33	35	85	23	125	0.5	4	15	66	59	26	1
TAJA474*035#NJ	A	0.47	35	85	23	125	0.5	4	12	79	71	32	1
TAJB474*035#NJ	B	0.47	35	85	23	125	0.5	4	10	92	83	37	1
TAJR474*035#NJ	R	0.47	35	85	23	125	0.5	4	15	61	54	24	1
TAJS474*035#NJ	S	0.47	35	85	23	125	0.5	4	12	74	66	29	1
TAJT474*035#NJ	T	0.47	35	85	23	125	0.5	4	10	89	80	36	1
TAJA684*035#NJ	A	0.68	35	85	23	125	0.5	4	8	97	87	39	1
TAJB684*035#NJ	B	0.68	35	85	23	125	0.5	4	8	103	93	41	1
TAJP684*035#NJ	P	0.68	35	85	23	125	0.5	4	13	68	61	27	1
TAJS684*035#NJ	S	0.68	35	85	23	125	0.5	4	8	90	81	36	1
TAJT684*035#NJ	T	0.68	35	85	23	125	0.5	4	8	100	90	40	1
TAJA105*035#NJ	A	1	35	85	23	125	0.5	4	7.5	100	90	40	1
TAJB105*035#NJ	B	1	35	85	23	125	0.5	4	6.5	114	103	46	1
TAJP105*035#NJ	P	1	35	85	23	125	0.5	4	11	74	66	30	1
TAJS105*035#NJ	S	1	35	85	23	125	0.5	4	7.5	93	84	37	1
TAJT105*035#NJ	T	1	35	85	23	125	5	4	6.5	111	100	44	1
TAJA155*035#NJ	A	1.5	35	85	23	125	0.5	6	7.5	100	90	40	1
TAJB155*035#NJ	B	1.5	35	85	23	125	0.5	6	5.2	128	115	51	1
TAJC155*035#NJ	C	1.5	35	85	23	125	0.5	6	4.5	156	141	63	1
TAJT155*035#NJ	T	1.5	35	85	23	125	0.5	6	5.2	124	112	50	1
TAJA225*035#NJ	A	2.2	35	85	23	125	0.8	6	4.5	129	116	52	1
TAJB225*035#NJ	B	2.2	35	85	23	125	0.8	6	4.2	142	128	57	1
TAJC225*035#NJ	C	2.2	35	85	23	125	0.8	6	3.5	177	160	71	1
TAJT225*035#NJ	T	2.2	35	85	23	125	0.8	6	4.2	138	124	55	1
TAJB335*035#NJ	B	3.3	35	85	23	125	1.2	6	3.5	156	140	62	1
TAJC335*035#NJ	C	3.3	35	85	23	125	1.2	6	2.5	210	189	84	1
TAJW335*035#NJ	W	3.3	35	85	23	125	1.2	6	1.6	237	213	95	1
TAJB475*035#NJ	B	4.7	35	85	23	125	1.6	6	3.1	166	149	66	1
TAJC475*035#NJ	C	4.7	35	85	23	125	1.6	6	2.2	224	201	89	1
TAJD475*035#NJ	D	4.7	35	85	23	125	1.6	6	1.5	316	285	126	1
TAJW475*035#NJ	W	4.7	35	85	23	125	1.6	6	2.2	202	182	81	1
TAJC685*035#NJ	C	6.8	35	85	23	125	2.4	6	1.8	247	222	99	1
TAJD685*035#NJ	D	6.8	35	85	23	125	2.4	6	1.3	340	306	136	1
TAJY685*035#NJ	Y	6.8	35	85	23	125	2.3	6	0.9	373	335	149	1[1)]
TAJC106*035#NJ	C	10	35	85	23	125	3.5	6	1.6	262	236	105	1
TAJD106*035#NJ	D	10	35	85	23	125	3.5	6	1	387	349	155	1
TAJE106*035#NJ	E	10	35	85	23	125	3.5	6	0.9	428	385	171	1[1)]
TAJX106*035#NJ	X	10	35	85	23	125	3.5	6	0.7	378	340	151	1[1)]
TAJY106*035#NJ	Y	10	35	85	23	125	3.5	6	1	354	318	141	1[1)]
TAJC156*035#NJ	C	15	35	85	23	125	5.3	6	1.4	280	252	112	1

TAJ Series

Standard and Low Profile Tantalum Capacitors

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (Ω)	100kHz RMS Current (mA)			MSL
										25°C	85°C	125°C	
TAJD156*035#NJ	D	15	35	85	23	125	5.3	6	0.9	408	367	163	1
TAJY156*035#NJ	Y	15	35	85	23	125	5.3	6	0.6	456	411	183	1[1)]
TAJD226*035#NJ	D	22	35	85	23	125	7.7	6	0.9	408	367	163	1
TAJE226*035#NJ	E	22	35	85	23	125	7.7	6	0.5	574	517	230	1[1)]
TAJY226*035#NJ	Y	22	35	85	23	125	7.7	6	0.5	500	450	200	1[1)]
TAJD336*035#NJ	D	33	35	85	23	125	11.6	6	0.9	408	367	163	1
TAJE336*035#NJ	E	33	35	85	23	125	11.6	6	0.9	428	385	171	1[1)]
TAJV336*035#NJ	V	33	35	85	23	125	11.6	6	0.5	707	636	283	1[1)]
TAJD476*035#NJV	D	47	35	85	23	125	16.5	6	0.9	408	367	163	3
TAJE476*035#NJ	E	47	35	85	23	125	16.5	6	0.9	428	385	171	1[1)]
TAJV476*035#NJ	V	47	35	85	23	125	16.5	6	0.4	791	712	316	1[1)]
TAJV686*035#NJ	V	68	35	85	23	125	23.8	6	0.5	707	363	283	1[1)]
50 Volt @ 85°C													
TAJA104*050#NJ	A	0.1	50	85	33	125	0.5	4	22	58	53	23	1
TAJS104*050#NJ	S	0.1	50	85	33	125	0.5	4	19	58	53	23	1
TAJA154*050#NJ	A	0.15	50	85	33	125	0.5	4	15	71	64	28	1
TAJB154*050#NJ	B	0.15	50	85	33	125	0.5	4	17	71	64	28	1
TAJS154*050#NJ	S	0.15	50	85	33	125	0.5	4	16	64	57	25	1
TAJA224*050#NJ	A	0.22	50	85	33	125	0.5	4	18	65	58	26	1
TAJB224*050#NJ	B	0.22	50	85	33	125	0.5	4	14	78	70	31	1
TAJP224*050#NJ	P	0.22	50	85	33	125	0.5	4	17	59	53	24	1
TAJR224*050#NJ	R	0.22	50	85	33	125	0.5	4	17	57	51	23	1
TAJS224*050#NJ	S	0.22	50	85	33	125	0.5	4	13	71	64	28	1
TAJA334*050#NJ	A	0.33	50	85	33	125	0.5	4	17	66	60	27	1
TAJB334*050#NJ	B	0.33	50	85	33	125	0.5	4	12	84	76	34	1
TAJP334*050#NJ	P	0.33	50	85	33	125	0.5	4	17	59	53	24	1
TAJR334M050#NJ	R	0.33	50	85	33	125	0.5	4	17	57	51	23	1
TAJS334*050#NJ	S	0.33	50	85	33	125	0.5	4	11	77	69	31	1
TAJT334*050#NJ	T	0.33	50	85	33	125	0.5	4	11	85	77	34	1
TAJA474*050#NJ	A	0.47	50	85	33	125	0.5	4	9.5	89	80	36	1
TAJB474*050#NJ	B	0.47	50	85	33	125	0.7	4	9.5	95	85	38	1
TAJC474*050#NJ	C	0.47	50	85	33	125	0.5	4	8	117	106	47	1
TAJS474*050#NJ	S	0.47	50	85	33	125	0.5	4	9.5	83	74	33	1
TAJT474*050#NJ	T	0.47	50	85	33	125	0.5	4	9.5	92	83	37	1
TAJA684*050#NJ	A	0.68	50	85	33	125	0.5	4	7.9	97	88	39	1
TAJB684*050#NJ	B	0.68	50	85	33	125	0.5	4	8	103	93	41	1
TAJC684*050#NJ	C	0.68	50	85	33	125	0.5	4	7	125	113	50	1
TAJA105*050#NJ	A	1	50	85	33	125	0.5	4	6.6	107	96	43	1
TAJB105*050#NJ	B	1	50	85	33	125	0.5	6	7	110	99	44	1
TAJC105*050#NJ	C	1	50	85	33	125	0.5	4	5.5	141	127	57	1
TAJW105*050#NJ	W	1	50	85	33	125	0.5	6	4.4	143	129	57	1
TAJB155*050#NJ	B	1.5	50	85	33	125	0.8	8	5.4	125	113	50	1
TAJC155*050#NJ	C	1.5	50	85	33	125	0.8	6	4.5	156	141	63	1
TAJD155*050#NJ	D	1.5	50	85	33	125	0.8	6	4	194	174	77	1
TAJW155*050#NJ	W	1.5	50	85	33	125	0.8	6	3.1	170	153	68	1
TAJB225*050#NJ	B	2.2	50	85	33	125	1.1	8	4.5	137	124	55	1
TAJC225*050#NJ	C	2.2	50	85	33	125	1.1	8	2.5	210	189	84	1
TAJD225*050#NJ	D	2.2	50	85	33	125	1.1	6	2.5	245	220	98	1
TAJW225*050#NJ	W	2.2	50	85	33	125	1.1	8	2.5	190	171	76	1
TAJC335*050#NJ	C	3.3	50	85	33	125	1.6	6	2.5	210	189	84	1
TAJD335*050#NJ	D	3.3	50	85	33	125	1.7	6	2	274	246	110	1
TAJY335*050#NJ	Y	3.3	50	85	33	125	1.7	4	1.5	289	260	115	1[1)]
TAJC475*050#NJ	C	4.7	50	85	33	125	0.5	4	1.4	280	252	112	1
TAJD475*050#NJ	D	4.7	50	85	33	125	2.4	6	1.4	327	295	131	1
TAJX475*050#NJV	X	4.7	50	85	33	125	2.4	6	1.0	316	285	126	3
TAJY475*050#NJ	Y	4.7	50	85	33	125	2.4	6	1.2	323	290	129	1[1)]
TAJC685*050#NJ	C	6.8	50	85	33	125	3.4	6	1	332	298	133	1
TAJD685*050#NJ	D	6.8	50	85	33	125	3.4	6	1	387	349	155	1
TAJY685*050#NJ	Y	6.8	50	85	33	125	3.4	6	0.9	373	335	149	1[1)]
TAJD106*050#NJ	D	10	50	85	33	125	5	6	0.8	433	390	173	1
TAJE106*050#NJ	E	10	50	85	33	125	5	6	1	406	366	162	1[1)]
TAJV106*050#NJ	V	10	50	85	33	125	5	6	0.65	620	558	248	1[1)]
TAJD156*050#NJ	D	15	50	85	33	125	7.5	6	0.6	500	450	200	1
TAJE156*050#NJ	E	15	50	85	33	125	7.5	6	0.6	524	472	210	1[1)]
TAJV156*050#NJ	V	15	50	85	33	125	7.5	6	0.6	645	581	258	1[1)]
TAJV226*050#NJ	V	22	50	85	33	125	11	8	0.6	645	581	258	1[1)]

1[1)] – Dry pack option (see How to order) is recommended for reduction of stress during soldering. Dry pack parts should be treated as MSL 3.

Moisture Sensitivity Level (MSL) is defined according to J-STD-020.

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes.

For typical weight and composition see page 273.

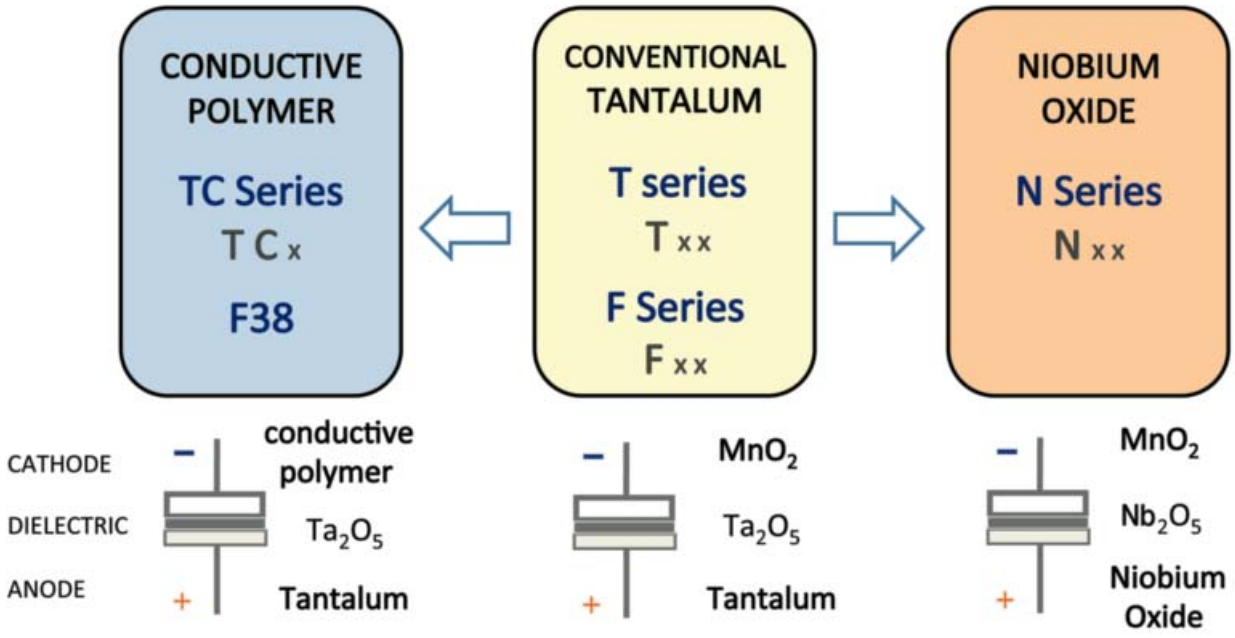
NOTE: AVX reserves the right to supply higher voltage ratings or tighter tolerance part in the same case size, to the same reliability standards.

QUALIFICATION TABLE

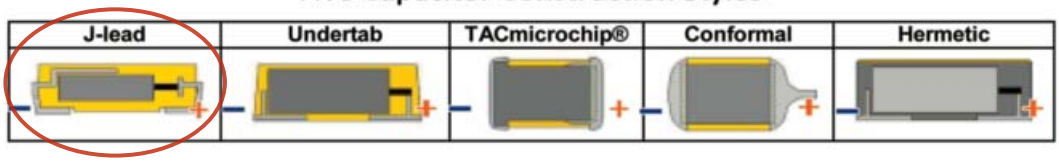
<table>
<tr><th rowspan="2">TEST</th><th colspan="4">TAJ series (Temperature range -55ºC to +125ºC)</th></tr>
<tr><th colspan="3">Condition</th><th colspan="3">Characteristics</th></tr>
<tr><td>Endurance</td><td colspan="3">Apply rated voltage (Ur) at 85ºC and / or category voltage (Uc) at 125ºC for 2000 hours through a circuit impedance of ≤0.1Ω/V. Stabilize at room temperature for 1-2 hours before measuring.</td><td>Visual examination</td><td colspan="2">no visible damage</td></tr>
<tr><td></td><td></td><td></td><td>DCL</td><td colspan="2">1.25 x initial limit</td></tr>
<tr><td></td><td></td><td></td><td>ΔC/C</td><td colspan="2">within ±10% of initial value</td></tr>
<tr><td></td><td></td><td></td><td>DF</td><td colspan="2">initial limit</td></tr>
<tr><td>Humidity</td><td colspan="3">Store at 65ºC and 95% relative humidity for 500 hours, with no applied voltage. Stabilize at room temperature and humidity for 1-2 hours before measuring.</td><td>Visual examination</td><td colspan="2">no visible damage</td></tr>
<tr><td></td><td></td><td></td><td>DCL</td><td colspan="2">1.5 x initial limit</td></tr>
<tr><td></td><td></td><td></td><td>ΔC/C</td><td colspan="2">within ±10% of initial value</td></tr>
<tr><td></td><td></td><td></td><td>DF</td><td colspan="2">1.2 x initial limit</td></tr>
<tr><td rowspan="8">Temperature Stability</td><td>Step</td><td>Temperature°C</td><td>Duration(min)</td><td></td><td>+20ºC</td><td>-55ºC</td></tr>
<tr><td>1</td><td>+20</td><td>15</td><td>DCL</td><td>IL*</td><td>n/a</td></tr>
<tr><td>2</td><td>-55</td><td>15</td><td>ΔC/C</td><td>n/a</td><td>+0/-10%</td></tr>
<tr><td>3</td><td>+20</td><td>15</td><td>DF</td><td>IL*</td><td>1.5 x IL*</td></tr>
<tr><td>4</td><td>+85</td><td>15</td><td></td><td></td><td></td></tr>
<tr><td>5</td><td>+125</td><td>15</td><td></td><td></td><td></td></tr>
<tr><td>6</td><td>+20</td><td>15</td><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td><td></td><td>+20ºC</td><td>+85ºC</td><td>+125ºC</td><td>+20ºC</td></tr>
<tr><td></td><td></td><td></td><td>DCL</td><td>IL*</td><td>10 x IL*</td><td>12.5 x IL*</td><td>IL*</td></tr>
<tr><td></td><td></td><td></td><td>ΔC/C</td><td>±5%</td><td>+10/-0%</td><td>+12/-0%</td><td>±5%</td></tr>
<tr><td></td><td></td><td></td><td>DF</td><td>IL*</td><td>1.5 x IL*</td><td>2 x IL*</td><td>IL*</td></tr>
<tr><td>Surge Voltage</td><td colspan="3">Apply 1.3x category voltage (Uc) at 125ºC for 1000 cycles of duration 6 min (30 sec charge, 5 min 30 sec discharge) through a charge / discharge resistance of 1000Ω</td><td>Visual examination</td><td colspan="2">no visible damage</td></tr>
<tr><td></td><td></td><td></td><td>DCL</td><td colspan="2">initial limit</td></tr>
<tr><td></td><td></td><td></td><td>ΔC/C</td><td colspan="2">within ±5% of initial value</td></tr>
<tr><td></td><td></td><td></td><td>DF</td><td colspan="2">initial limit</td></tr>
<tr><td>Mechanical Shock</td><td colspan="3">MIL-STD-202, Method 213, Condition C</td><td>Visual examination</td><td colspan="2">no visible damage</td></tr>
<tr><td></td><td></td><td></td><td>DCL</td><td colspan="2">initial limit</td></tr>
<tr><td></td><td></td><td></td><td>ΔC/C</td><td colspan="2">within ±5% of initial value</td></tr>
<tr><td></td><td></td><td></td><td>DF</td><td colspan="2">initial limit</td></tr>
<tr><td></td><td></td><td></td><td>ESR</td><td colspan="2">initial limit</td></tr>
<tr><td>Vibration</td><td colspan="3">MIL-STD-202, Method 204, Condition D</td><td>Visual examination</td><td colspan="2">no visible damage</td></tr>
<tr><td></td><td></td><td></td><td>DCL</td><td colspan="2">initial limit</td></tr>
<tr><td></td><td></td><td></td><td>ΔC/C</td><td colspan="2">within ±5% of initial value</td></tr>
<tr><td></td><td></td><td></td><td>DF</td><td colspan="2">initial limit</td></tr>
<tr><td></td><td></td><td></td><td>ESR</td><td colspan="2">initial limit</td></tr>
</table>

*Initial Limit

AVX SOLID ELECTROLYTIC CAPACITOR ROADMAP



Five Capacitor Construction Styles



SERIES LINE UP: CONVENTIONAL SMD MnO_2

