TAJ Automotive Range

Standard Tantalum - Automotive Product Range

FEATURES

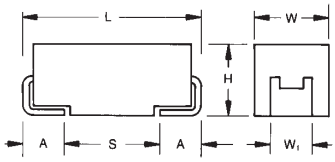
- General purpose SMT chip tantalum series
- 5 case sizes available
- CV range: 0.22-680µF / 6.3-50V

LEAD-FREE
LEAD-FREE COMPATIBLE COMPONENT

RoHS COMPLIANT

APPLICATIONS

- Audio Systems
- GPS
- Seat Controls
- Dashboard



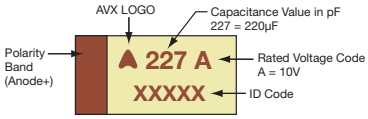
CASE DIMENSIONS: millimeters (inches)

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)

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

MARKING

A, B, C, D, E CASE



HOW TO ORDER

TAJ	C	106	M	035	T	NJ	V
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** 006 = 6.3Vdc 010 = 10Vdc 016 = 16Vdc 020 = 20Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc	**Packaging** T = Automotive Lead Free 7" Reel U = Automotive Lead Free 13" Reel	**Specification Suffix** NJ = Std Suffix	**Dry Pack Option** (D,E case sizes mandatory)

TECHNICAL SPECIFICATIONS

Technical Data:	All technical data relate to an ambient temperature of +25°C							
Capacitance Range:	0.22 µF to 680 µF							
Capacitance Tolerance:	±10%; ±20%							
Rated Voltage (V_R)	≤ +85°C:	6.3	10	16	20	25	35	50
Category Voltage (V_C)	≤ +125°C:	4	7	10	13	17	23	33
Surge Voltage (V_S)	≤ +85°C:	8	13	20	26	32	46	65
Surge Voltage (V_S)	≤ +125°C:	5	8	13	16	20	28	40
Temperature Range:	-55°C to +125°C							
Environmental Classification:	55/125/56 (IEC 68-2)							
Reliability:	1% per 1000 hours at 85°C, V_R with 0.1Ω/V series impedance, 60% confidence level							
Termination Finished:	Sn Plating (standard), Gold and SnPb Plating upon request							
	Meets requirements of AEC-Q200							

TAJ AUTOMOTIVE RANGE
CAPACITANCE AND RATED VOLTAGE RANGE
(LETTER DENOTES CASE SIZE)

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

Not recommended for new designs, higher voltage or smaller case size substitution are offered.

Available Ratings

Engineering samples - please contact manufacturer

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

TAJ Automotive Range

Standard Tantalum - Automotive Product Range

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)	MSL	100kHz RMS Current (mA)		
											25°C	85°C	125°C
6.3 Volt @ 85°C													
TAJA335*006TNJ	A	3.3	6.3	85	4	125	0.5	6	7	1	104	93	41
TAJA106*006TNJ	A	10	6.3	85	4	125	0.6	6	4	1	137	123	55
TAJB106*006TNJ	B	10	6.3	85	4	125	0.5	6	3	1	168	151	67
TAJA156*006TNJ	A	15	6.3	85	4	125	0.9	6	3.5	1	146	132	59
TAJA226*006TNJ	A	22	6.3	85	4	125	1.4	6	3	1	158	142	63
TAJB226*006TNJ	B	22	6.3	85	4	125	1.4	6	2.5	1	184	166	74
TAJC226*006TNJ	C	22	6.3	85	4	125	1.4	6	2	1	235	211	94
TAJA336*006TNJ	A	33	6.3	85	4	125	2.1	8	2.2	1	185	166	74
TAJB336*006TNJ	B	33	6.3	85	4	125	2.1	6	2.2	1	197	177	79
TAJB476*006TNJ	B	47	6.3	85	4	125	3	6	2	1	206	186	82
TAJC476*006TNJ	C	47	6.3	85	4	125	3	6	1.6	1	262	236	105
TAJB686*006TNJ	B	68	6.3	85	4	125	4	8	0.9	1	307	277	123
TAJC686*006TNJ	C	68	6.3	85	4	125	4.3	6	1.5	1	271	244	108
TAJC107*006TNJ	C	100	6.3	85	4	125	6.3	6	0.9	1	350	315	140
TAJD107*006TNJV	D	100	6.3	85	4	125	6.3	6	0.9	3	408	367	163
TAJC157*006TNJ	C	150	6.3	85	4	125	9.5	6	1.3	1	291	262	116
TAJD157*006TNJV	D	150	6.3	85	4	125	9.5	6	0.9	3	408	367	163
TAJD227*006TNJV	D	220	6.3	85	4	125	13.9	8	0.4	3	612	551	245
TAJD337*006TNJV	D	330	6.3	85	4	125	20.8	8	0.4	3	612	551	245
TAJE337*006TNJV	E	330	6.3	85	4	125	20.8	8	0.4	3	642	578	257
TAJD477*006TNJV	D	470	6.3	85	4	125	28	12	0.4	3	612	551	245
TAJE477*006TNJV	E	470	6.3	85	4	125	28	10	0.4	3	642	578	257
TAJE687*006TNJV	E	680	6.3	85	4	125	42.8	10	0.5	3	574	517	230
10 Volt @ 85°C													
TAJA225*010TNJ	A	2.2	10	85	7	125	0.5	6	7	1	104	93	41
TAJA475*010TNJ	A	4.7	10	85	7	125	0.5	6	5	1	122	110	49
TAJB475*010TNJ	B	4.7	10	85	7	125	0.5	6	4	1	146	131	58
TAJA685*010TNJ	A	6.8	10	85	7	125	0.7	6	4	1	137	123	55
TAJB685*010TNJ	B	6.8	10	85	7	125	0.7	6	3	1	168	151	67
TAJA106*010TNJ	A	10	10	85	7	125	1	6	3	1	158	142	63
TAJB106*010TNJ	B	10	10	85	7	125	1	6	2.1	1	201	181	80
TAJA156*010TNJ	A	15	10	85	7	125	1.5	6	3.2	1	153	138	61
TAJB156*010TNJ	B	15	10	85	7	125	1.5	6	2.8	1	174	157	70
TAJC156*010TNJ	C	15	10	85	7	125	1.5	6	2	1	235	211	94
TAJA226*010TNJ	A	22	10	85	7	125	2.2	8	3	1	158	142	63
TAJB226*010TNJ	B	22	10	85	7	125	2.2	6	2.4	1	188	169	75
TAJC226*010TNJ	C	22	10	85	7	125	2.2	6	1.8	1	247	222	99
TAJB336*010TNJ	B	33	10	85	7	125	3.3	6	1.8	1	217	196	87
TAJC336*010TNJ	C	33	10	85	7	125	3.3	6	1.6	1	262	236	105
TAJB476*010TNJ	B	47	10	85	7	125	4.7	8	1	1	292	262	117
TAJC476*010TNJ	C	47	10	85	7	125	4.7	6	1.2	1	303	272	121
TAJD476*010TNJV	D	47	10	85	7	125	4.7	6	0.4	3	612	551	245
TAJC686*010TNJ	C	68	10	85	7	125	6.8	6	1.3	1	291	262	116
TAJD686*010TNJV	D	68	10	85	7	125	6.8	6	0.9	3	408	367	163
TAJC107*010TNJ	C	100	10	85	7	125	10	8	1.2	1	303	272	121
TAJD107*010TNJV	D	100	10	85	7	125	10	6	0.9	3	408	367	163
TAJD157*010TNJV	D	150	10	85	7	125	15	8	0.9	3	408	367	163
TAJE157*010TNJV	E	150	10	85	7	125	15	8	0.9	3	428	385	171
TAJD227*010TNJV	D	220	10	85	7	125	22	8	0.5	3	548	493	219
TAJE227*010TNJV	E	220	10	85	7	125	22	8	0.5	3	574	517	230
TAJE337*010TNJV	E	330	10	85	7	125	33	8	0.9	3	428	385	171
16 Volt @ 85°C													
TAJA105*016TNJ	A	1	16	85	10	125	0.5	4	11	1	83	74	33
TAJA225*016TNJ	A	2.2	16	85	10	125	0.5	6	6.5	1	107	97	43
TAJA335*016TNJ	A	3.3	16	85	10	125	0.5	6	5	1	122	110	49
TAJB335*016TNJ	B	3.3	16	85	10	125	0.5	6	4.5	1	137	124	55
TAJA475*016TNJ	A	4.7	16	85	10	125	0.8	6	4	1	137	123	55
TAJB475*016TNJ	B	4.7	16	85	10	125	0.8	6	3.5	1	156	140	62
TAJA685*016TNJ	A	6.8	16	85	10	125	1.1	6	3.5	1	146	132	59
TAJB685*016TNJ	B	6.8	16	85	10	125	1.1	6	2.5	1	184	166	74
TAJA106*016TNJ	A	10	16	85	10	125	1.6	6	3	1	158	142	63
TAJB106*016TNJ	B	10	16	85	10	125	1.6	6	2.5	1	184	166	74
TAJC106*016TNJ	C	10	16	85	10	125	1.6	6	2	1	235	211	94
TAJB156*016TNJ	B	15	16	85	10	125	2.4	6	2.5	1	184	166	74
TAJC156*016TNJ	C	15	16	85	10	125	2.4	6	1.8	1	247	222	99
TAJB226*016TNJ	B	22	16	85	10	125	3.5	6	2.3	1	192	173	77
TAJC226*016TNJ	C	22	16	85	10	125	3.5	6	1	1	332	298	133
TAJD226*016TNJV	D	22	16	85	10	125	3.5	6	1.1	3	369	332	148
TAJC336*016TNJ	C	33	16	85	10	125	5.3	6	1.5	1	271	244	108
TAJD336*016TNJV	D	33	16	85	10	125	5.3	6	0.9	3	408	367	163

TAJ Automotive Range

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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)	MSL	100kHz RMS Current (mA)		
											25°C	85°C	125°C
TAJC476*016TNJ	C	47	16	85	10	125	7.5	6	0.5	1	469	422	188
TAJD476*016TNJV	D	47	16	85	10	125	7.5	6	0.9	3	408	367	163
TAJC686*016TNJ	C	68	16	85	10	125	10.9	6	1.3	1	291	262	116
TAJD686*016TNJV	D	68	16	85	10	125	10.9	6	0.9	3	408	367	163
TAJD107*016TNJV	D	100	16	85	10	125	16	6	0.6	3	500	450	200
TAJE107*016TNJV	E	100	16	85	10	125	16	6	0.9	3	428	385	171
TAJE157*016TNJV	E	150	16	85	10	125	23	8	0.3	3	742	667	297
20 Volt @ 85°C													
TAJA105*020TNJ	A	1	20	85	13	125	0.5	4	9	1	91	82	37
TAJA155*020TNJ	A	1.5	20	85	13	125	0.5	6	6.5	1	107	97	43
TAJA225*020TNJ	A	2.2	20	85	13	125	0.5	6	5.3	1	119	107	48
TAJB225*020TNJ	B	2.2	20	85	13	125	0.5	6	3.5	1	156	140	62
TAJA335*020TNJ	A	3.3	20	85	13	125	0.7	6	4.5	1	129	116	52
TAJB335*020TNJ	B	3.3	20	85	13	125	0.7	6	3	1	168	151	67
TAJA475*020TNJ	A	4.7	20	85	13	125	0.9	6	4	1	137	123	55
TAJB475*020TNJ	B	4.7	20	85	13	125	0.9	6	3	1	168	151	67
TAJB685*020TNJ	B	6.8	20	85	13	125	1.4	6	2.5	1	184	166	74
TAJC685*020TNJ	C	6.8	20	85	13	125	1.4	6	2	1	235	211	94
TAJB106*020TNJ	B	10	20	85	13	125	2	6	2.1	1	201	181	80
TAJC106*020TNJ	C	10	20	85	13	125	2	6	1.2	1	303	272	121
TAJB156*020TNJ	B	15	20	85	13	125	3	6	2	1	206	186	82
TAJC156*020TNJ	C	15	20	85	13	125	3	6	1.7	1	254	229	102
TAJC226*020TNJ	C	22	20	85	13	125	4.4	6	1.6	1	262	236	105
TAJD226*020TNJV	D	22	20	85	13	125	4.4	6	0.9	3	408	367	163
TAJC336*020TNJ	C	33	20	85	13	125	6.6	6	1.5	1	271	244	108
TAJD336*020TNJV	D	33	20	85	13	125	6.6	6	0.9	3	408	367	163
TAJD476*020TNJV	D	47	20	85	13	125	9.4	6	0.9	3	408	367	163
TAJD686*020TNJV	D	68	20	85	13	125	13.6	6	0.4	3	612	551	245
TAJE686*020TNJV	E	68	20	85	13	125	13.6	6	0.9	3	428	385	171
TAJE107*020TNJV	E	100	20	85	13	125	20	6	0.4	3	642	578	257
25 Volt @ 85°C													
TAJA474*025TNJ	A	0.47	25	85	17	125	0.5	4	14	1	73	66	29
TAJA684*025TNJ	A	0.68	25	85	17	125	0.5	4	10	1	87	78	35
TAJA105*025TNJ	A	1	25	85	17	125	0.5	4	8	1	97	87	39
TAJA155*025TNJ	A	1.5	25	85	17	125	0.5	6	7.5	1	100	90	40
TAJB155*025TNJ	B	1.5	25	85	17	125	0.5	6	5	1	130	117	52
TAJA225*025TNJ	A	2.2	25	85	17	125	0.6	6	7	1	104	93	41
TAJB225*025TNJ	B	2.2	25	85	17	125	0.6	6	4.5	1	137	124	55
TAJA335*025TNJ	A	3.3	25	85	17	125	0.8	6	3.7	1	142	128	57
TAJB335*025TNJ	B	3.3	25	85	17	125	0.8	6	3.5	1	156	140	62
TAJB475*025TNJ	B	4.7	25	85	17	125	1.2	6	1.5	1	238	214	95
TAJC475*025TNJ	C	4.7	25	85	17	125	1.2	6	2.4	1	214	193	86
TAJB685*025TNJ	B	6.8	25	85	17	125	1.7	6	2.8	1	174	157	70
TAJC685*025TNJ	C	6.8	25	85	17	125	1.7	6	2	1	235	211	94
TAJC106*025TNJ	C	10	25	85	17	125	2.5	6	1.8	1	247	222	99
TAJD106*025TNJV	D	10	25	85	17	125	2.5	6	1.2	3	354	318	141
TAJC156*025TNJ	C	15	25	85	17	125	3.8	6	1.6	1	262	236	105
TAJD156*025TNJV	D	15	25	85	17	125	3.8	6	1	3	387	349	155
TAJC226*025TNJ	C	22	25	85	17	125	5.5	6	1.4	1	280	252	112
TAJD226*025TNJV	D	22	25	85	17	125	5.5	6	0.9	3	408	367	163
TAJD336*025TNJV	D	33	25	85	17	125	8.3	6	0.9	3	408	367	163
TAJD476*025TNJV	D	47	25	85	17	125	11.8	6	0.9	3	408	367	163
TAJE476*025TNJV	E	47	25	85	17	125	11.8	6	0.9	3	428	385	171
TAJE107*025TNJV	E	100	25	85	17	125	25	10	0.3	3	742	667	297
35 Volt @ 85°C													
TAJA334*035TNJ	A	0.33	35	85	23	125	0.5	4	15	1	71	64	28
TAJA474*035TNJ	A	0.47	35	85	23	125	0.5	4	12	1	79	71	32
TAJA684*035TNJ	A	0.68	35	85	23	125	0.5	4	8	1	97	87	39
TAJA105*035TNJ	A	1	35	85	23	125	0.5	4	7.5	1	100	90	40
TAJB105*035TNJ	B	1	35	85	23	125	0.5	4	6.5	1	114	103	46
TAJA155*035TNJ	A	1.5	35	85	23	125	0.5	6	7.5	1	100	90	40
TAJB155*035TNJ	B	1.5	35	85	23	125	0.5	6	5.2	1	128	115	51
TAJB225*035TNJ	B	2.2	35	85	23	125	0.8	6	4.2	1	142	128	57
TAJC225*035TNJ	C	2.2	35	85	23	125	0.8	6	3.5	1	177	160	71
TAJB335*035TNJ	B	3.3	35	85	23	125	1.2	6	3.5	1	156	140	62
TAJC335*035TNJ	C	3.3	35	85	23	125	1.2	6	2.5	1	210	189	84
TAJB475*035TNJ	B	4.7	35	85	23	125	1.6	6	3.1	1	166	149	66
TAJC475*035TNJ	C	4.7	35	85	23	125	1.6	6	2.2	1	224	201	89
TAJD475*035TNJV	D	4.7	35	85	23	125	1.6	6	1.5	3	316	285	126
TAJC685*035TNJ	C	6.8	35	85	23	125	2.4	6	1.8	1	247	222	99
TAJD685*035TNJV	D	6.8	35	85	23	125	2.4	6	1.3	3	340	306	136
TAJC106*035TNJ	C	10	35	85	23	125	3.5	6	1.6	1	262	236	105

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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)	MSL	100kHz RMS Current (mA)		
											25°C	85°C	125°C
TAJD106*035TNJV	D	10	35	85	23	125	3.5	6	1	3	387	349	155
TAJD156*035TNJV	D	15	35	85	23	125	5.3	6	0.9	3	408	367	163
TAJD226*035TNJV	D	22	35	85	23	125	7.7	6	0.9	3	408	367	163
TAJE226*035TNJV	E	22	35	85	23	125	7.7	6	0.5	3	574	517	230
TAJD336*035TNJV	D	33	35	85	23	125	11.6	6	0.9	3	408	367	163
TAJE336*035TNJV	E	33	35	85	23	125	11.6	6	0.9	3	428	385	171
50 Volt @ 85°C													
TAJA224*050TNJ	A	0.22	50	85	33	125	0.5	4	18	1	65	58	26
TAJA334*050TNJ	A	0.33	50	85	33	125	0.5	4	17	1	66	60	27
TAJA474*050TNJ	A	0.47	50	85	33	125	0.5	4	9.5	1	89	80	36
TAJB474*050TNJ	B	0.47	50	85	33	125	0.7	4	9.5	1	95	85	38
TAJB684*050TNJ	B	0.68	50	85	33	125	0.5	4	8	1	103	93	41
TAJB105*050TNJ	B	1	50	85	33	125	0.5	6	7	1	110	99	44
TAJC105*050TNJ	C	1	50	85	33	125	0.5	4	5.5	1	141	127	57
TAJC155*050TNJ	C	1.5	50	85	33	125	0.8	6	4.5	1	156	141	63
TAJC225*050TNJ	C	2.2	50	85	33	125	1.1	8	2.5	1	210	189	84
TAJD225*050TNJV	D	2.2	50	85	33	125	1.1	6	2.5	3	245	220	98
TAJC335*050TNJ	C	3.3	50	85	33	125	1.6	6	2.5	1	210	189	84
TAJD335*050TNJV	D	3.3	50	85	33	125	1.7	6	2	3	274	246	110
TAJC475*050TNJ	C	4.7	50	85	33	125	0.5	4	1.4	1	280	252	112
TAJD475*050TNJV	D	4.7	50	85	33	125	2.4	6	1.4	3	327	295	131
TAJD685*050TNJV	D	6.8	50	85	33	125	3.4	6	1	3	387	349	155
TAJD106*050TNJV	D	10	50	85	33	125	5	6	0.8	3	433	390	173
TAJE106*050TNJV	E	10	50	85	33	125	5	6	1	3	406	366	162
TAJE156*050TNJV	E	15	50	85	33	125	7.5	6	0.6	3	524	472	210

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

*Please use "U" instead of "T" in the suffix letter for 13'' reel packaging

Please use specific PN for automotive version – see "HOW TO ORDER".

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 223.

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

TAJ Automotive Range

Standard Tantalum - Automotive Product Range

QUALIFICATION TABLE

TEST	TAJ automotive series (Temperature range -55ºC to +125ºC)		
	Condition	Characteristics	
Endurance	Determine after application of rated voltage for 2000 +48/-0 hours at 85±2ºC and then leaving 1-2 hours at room temperature. Also determine of 125ºC temperature, category voltage for 2000 +48/-0 hours and then leaving 1-2 hours at room temperature. Power supply impedance to be ≤0.1Ω/V.	Visual examination	no visible damage
		DCL	1.25 x initial limit
		ΔC/C	within ±10% of initial value
		DF	initial limit
		ESR	initial limit
Storage Life	125ºC, 0V, 2000h	Visual examination	no visible damage
		DCL	1.25 x initial limit
		ΔC/C	within ±10% of initial value
		DF	initial limit
		ESR	initial limit
Humidity	Determine after storage without applied voltage at 65±2ºC and 95±2% relative humidity for 500 hours and then recovery 1-2 hours at room temperature.	Visual examination	no visible damage
		DCL	1.5 x initial limit
		ΔC/C	within ±10% of initial value
		DF	1.2 x initial limit
		ESR	initial limit
Biased Humidity	Determine after leaving for 1000 hours at 85±2ºC, 85% relative humidity and rated voltage and then recovery 1-2 hours at room temperature.	Visual examination	no visible damage
		DCL	2 x initial limit
		ΔC/C	within ±10% of initial value
		DF	1.2 x initial limit
		ESR	initial limit

Temperature Stability	Step	Temperature°C	Duration(min)
	1	+20±2	15
	2	-55+0/-3	15
	3	+20±2	15
	4	+85+3/-0	15
	5	+125+3/-0	15
	6	+20±2	15

	+20ºC	-55ºC	+20ºC	+85ºC	+125ºC	+20ºC
DCL	IL*	n/a	IL*	10 x IL*	12.5 x IL*	IL*
ΔC/C	n/a	+0/-10%	±5%	+10/-0%	+12/-0%	±5%
DF	IL*	1.5 x IL*	IL*	1.5 x IL*	2 x IL*	IL*
ESR	IL*	2 x IL*	IL*	IL*	IL*	IL*

Surge Voltage	Test temperature: 125ºC+3/0ºC Test voltage: Category voltage at 125ºC Surge voltage: 1.3 x category voltage at 125ºC Series protection resistance 1000±100Ω Discharge resistance: 1000Ω Number of cycles: 1000x Cycle duration: 6 min; 30 sec charge, 5 min 30 sec discharge	Visual examination	no visible damage
		DCL	initial limit
		ΔC/C	within ±5% of initial value
		DF	initial limit
		ESR	initial limit

*Initial Limit

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

AVX:

TAJC106M035SNJ TAJA225K010YNJ TAJB475K016YNJ TAJB476K010YNJ TAJA104K035RNJ TAJA104K050RNJ TAJA104M035RNJ TAJA104M035YNJ TAJA104M050RNJ TAJA105K016RNJ TAJA105K016SNJ TAJA105K020HNJ TAJA105K020RNJ TAJA105K020YNJ TAJA105K025RNJ TAJA105K035HNJ TAJA105K035RNJ TAJA105M016RNJ TAJA105M016SNJ TAJA105M020RNJ TAJA105M020SNJ TAJA105M035RNJ TAJA105M035YNJ TAJA106K006RNJ TAJA106K006SNJ TAJA106K010RNJ TAJA106K016RNJ TAJA106M006RNJ TAJA106M006SNJ TAJA106M010RNJ TAJA106M010SNJ TAJA106M016RNJ TAJA154M035RNJ TAJA155K010RNJ TAJA155K016RNJ TAJA155M010RNJ TAJA155M016RNJ TAJA155M020RNJ TAJA155M020SNJ TAJA156K006RNJ TAJA156M006RNJ TAJA156M006YNJ TAJA156M010RNJ TAJA156M010YNJ TAJA224K035RNJ TAJA224M035RNJ TAJA225K010RNJ TAJA225K010SNJ TAJA225K016RNJ TAJA225K035RNJ TAJA225M010RNJ TAJA225M016RNJ TAJA225M035RNJ TAJA226K004RNJ TAJA226K006RNJ TAJA226K006YNJ TAJA226M004RNJ TAJA226M006RNJ TAJA334K035RNJ TAJA334M035RNJ TAJA335K006RNJ TAJA335K010RNJ TAJA335K016RNJ TAJA335K025RNJ TAJA335M010RNJ TAJA335M016RNJ TAJA335M025RNJ TAJA474K025RNJ TAJA474K025YNJ TAJA474M025RNJ TAJA475J010RNJ TAJA475K010RNJ TAJA475K010SNJ TAJA475K010YNJ TAJA475K016RNJ TAJA475K020RNJ TAJA475M010RNJ TAJA475M010SNJ TAJA475M016RNJ TAJA475M016SNJ TAJA475M020RNJ TAJA476K004RNJ TAJA476K004YNJ TAJA684K025RNJ TAJA685K006RNJ TAJA685K010RNJ TAJA686K002RNJ TAJA686M002RNJ TAJB105K035RNJ TAJB105K035SNJ TAJB105K035YNJ TAJB105K050YNJ TAJB105M035RNJ TAJB105M035SNJ TAJB105M035YNJ TAJB105M050YNJ TAJB106K006RNJ TAJB106K010HNJ TAJB106K010RNJ TAJB106K016RNJ