

Standard Tantalum - Automotive Product Range



FEATURES

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





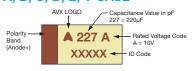
APPLICATIONS

- Audio Systems
- GPS
- Seat Controls
- Dashboard

A S A W

MARKING

A, B, C, D, E, Y CASE



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)		A+0.30 (0.012) -0.20 (0.008)	S Min.
Α	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)
В	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)
С	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)
Υ	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)
		W₁ di	imension appli	ies to the terminat	tion width for A d	limensional ar	ea only.	

HOW TO ORDER

above

TAJ C Type Case Size See table

Capacitance Code
oF code: 1st two digits

106

pF code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow) M T

Tolerance $K = \pm 10\%$ $M = \pm 20\%$

035

 Rated DC Voltage

 006 = 6.3Vdc
 025 = 25Vdc

 010 = 10Vdc
 035 = 35Vdc

 016 = 16Vdc
 050 = 50Vdc

 020 = 20Vdc
 050 = 50Vdc

T

Packaging
T = Automotive Lead Free
7" Reel
U = Automotive Lead Free
13" Reel

NJ

Specification Suffix NJ = Std Suffix

Dry Pack Option (D,E,Y case size

(D,E,Y case sizes mandatory)

TECHNICAL SPECIFICATIONS

Technical Data:		All te	chnical dat	ta relate to	an ambier	nt tempera	ature of +2	5°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	C to +125°	C					
Environmental Classification:		55/12	25/56 (IEC	68-2)					
Reliability:		1% p	er 1000 h	ours at 85°	C, V _R with	0.1Ω/V se	eries imped	dance, 60%	% confidence level
Termination Finished:		Sn Pl	lating (stan	ndard), Gol	d and SnP	b Plating ι	upon reque	est	
		Meet	s requirem	ents of AE	C-Q200				



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

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

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

Released ratings

Engineering samples - please contact AVX

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.



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RATINGS & PART NUMBER REFERENCE

Part No. Sep	AVX	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF	ESR Max.	100kHz	RMS Curre	ent (mA)	P40:
ALASSOCIAN A 33 6.3 85 4 125 0.5 6 7 104 93 41 17 173 17 17 17 17 17	Part No.	Size	(μ F)			(V)	(°C)				25°C	85°C	125°C	MSL
TAJABGY 1997 N. P. 10 6.3 85 4 125 0.6 6 4 137 123 65 1 TAJABGY 1997 N. P. 10 6.3 85 4 125 0.6 6 3.8 168 151 67 1 TAJABGY 1997 N. P. 10 6.3 85 4 125 0.5 6 3.8 168 151 67 1 TAJABGY 1997 N. P. 10 125 0.5 1 125 0.5 6 3.8 168 151 67 1 TAJABGY 1997 N. P. 10 125 0.5 1 125	TA IA225*006TNII	Ι Λ	0.0	6.0	O.F.			0.5	6	7	104	1 00	14	4
ALBEDOSCINI						_				1				1
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TAJD337*010TNJV D 330 10 85 7 125 33 8 0.9 408 367 163 3 TAJE337*010TNJV E 330 10 85 7 125 33 8 0.9 408 367 163 3 TAJE3337*016TNJV A 1 16 85 10 125 0.5 4 11 83 74 33 1 TAJA225*016TNJ A 2.2 16 85 10 125 0.5 6 6.5 107 97 43 1 TAJA335*016TNJ A 3.3 16 85 10 125 0.5 6 5 122 110 49 1 TAJB335*016TNJ B 3.3 16 85 10 125 0.5 6 4.5 137 124 55 1 TAJA475*016TNJ A 4.7 16 85 10	TAJD227*010TNJV	D		10	85				8	0.5		493		
TAJE337*010TNJV E 330 10 85 7 125 33 8 0.9 428 385 171 3 **TAJA105*016TNJ A 1 16 85 10 125 0.5 4 11 83 74 33 1 TAJA225*016TNJ A 2.2 16 85 10 125 0.5 6 6.5 107 97 43 1 TAJA335*016TNJ A 3.3 16 85 10 125 0.5 6 5 122 110 49 1 TAJB335*016TNJ B 3.3 16 85 10 125 0.5 6 4.5 137 124 55 1 TAJA475*016TNJ A 4.7 16 85 10 125 0.8 6 4 137 123 55 1 TAJB475*016TNJ B 4.7 16 85 10 125 0.8 6 3.5 156 140 62 1	TAJE227*010TNJV	E	220	10						0.5	574	517	230	3
TAJE337*010TNJV E 330 10 85 7 125 33 8 0.9 428 385 171 3 **TAJA105*016TNJ A 1 16 85 10 125 0.5 4 11 83 74 33 1 TAJA225*016TNJ A 2.2 16 85 10 125 0.5 6 6.5 107 97 43 1 TAJA335*016TNJ A 3.3 16 85 10 125 0.5 6 5 122 110 49 1 TAJB335*016TNJ B 3.3 16 85 10 125 0.5 6 4.5 137 124 55 1 TAJA475*016TNJ A 4.7 16 85 10 125 0.8 6 4 137 123 55 1 TAJB475*016TNJ B 4.7 16 85 10 125 0.8 6 3.5 156 140 62 1	TAJD337*010TNJV													
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TAJA225*016TNJ A 2.2 16 85 10 125 0.5 6 6.5 107 97 43 1 TAJA335*016TNJ A 3.3 16 85 10 125 0.5 6 5 122 110 49 1 TAJB335*016TNJ B 3.3 16 85 10 125 0.5 6 4.5 137 124 55 1 TAJA475*016TNJ A 4.7 16 85 10 125 0.8 6 4 137 123 55 1 TAJB475*016TNJ B 4.7 16 85 10 125 0.8 6 3.5 156 140 62 1														
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TAJB475*016TNJ B 4.7 16 85 10 125 0.8 6 3.5 156 140 62 1		_		_					_					
										-				
TAJA685*016TNJ A 6.8 16 85 10 125 1.1 6 3.5 146 132 59 1		_											_	
	TAJA685*016TNJ	Α	6.8	16	85	10	125	1.1	6	3.5	146	132	59	1



Standard Tantalum - Automotive Product Range

RATINGS & PART NUMBER REFERENCE

AVX	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF	ESR Max.	100kHz	RMS Curre	ent (mA)	MOL
Part No.	Size	(μ F)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (Ω)	25°C	85°C	125°C	MSL
TAJB685*016TNJ	В	6.8	16	85	10	125	1.1	6	2.5	184	166	74	1
TAJA106*016TNJ	Α	10	16	85	10	125	1.6	6	3	158	142	63	1
TAJB106*016TNJ	В	10	16	85	10	125	1.6	6	2.5	184	166	74	1
TAJC106*016TNJ	C	10	16	85	10	125	1.6	6	2	235	211	94	1
TAJB156*016TNJ	В	15	16	85	10	125	2.4	6	2.5	184	166	74	1
TAJC156*016TNJ	C	15	16	85	10	125	2.4	6	1.8	247	222	99	1
TAJB226*016TNJ	В	22	16	85	10	125	3.5	6	2.3	192	173	77	1
TAJC226*016TNJ	C	22	16	85	10	125	3.5	6	1	332	298	133	1
TAJD226*016TNJV	D	22	16	85	10	125	3.5	6	1.1	369	332	148	3
TAJB336*016TNJ	В	33	16	85	10	125	5.3	8	2.1	201	181	80	1
TAJC336*016TNJ	С	33	16	85	10	125	5.3	6	1.5	271	244	108	1
TAJD336*016TNJV	D	33	16	85	10	125	5.3	6	0.9	408	367	163	3
TAJY336*016TNJV	Υ	33	16	85	10	125	5.3	6	0.9	373	335	149	3
TAJC476*016TNJ	С	47	16	85	10	125	7.5	6	0.5	469	422	188	1
TAJD476*016TNJV	D	47	16	85	10	125	7.5	6	0.9	408	367	163	3
TAJY476*016TNJV	Y	47	16	85	10	125	7.5	6	0.7	423	380	169	3
TAJC686*016TNJ	Ċ	68	16	85	10	125	10.9	6	1.3	291	262	116	1
TAJD686*016TNJV	D	68	16	85	10	125	10.9	6	0.9	408	367	163	3
TAJY686*016TNJV	Y	68	16	85	10	125	10.9	6	0.9	373	335	149	3
TAJD107*016TNJV	D	100	16	85	10	125	16	6	0.6	500	450	200	3
TAJE107*016TNJV	E	100	16	85	10	125	16	6	0.9	428	385	171	3
TAJD157*016TNJV	D	150	16	85	10	125	24	6	0.9	408	367	163	3
TAJE157*016TNJV	Е	150	16	85	10	125	23	8	0.3	742	667	297	3
TAJE227*016TNJV	Ē	220	16	85	10	125	35.2	10	0.5	574	517	230	3
					20 Vo	t @ 85°C							
TAJA105*020TNJ	Α	1	20	85	13	125	0.5	4	9	91	82	37	1
TAJA155*020TNJ	Α	1.5	20	85	13	125	0.5	6	6.5	107	97	43	1
TAJA225*020TNJ	Α	2.2	20	85	13	125	0.5	6	5.3	119	107	48	1
TAJB225*020TNJ	В	2.2	20	85	13	125	0.5	6	3.5	156	140	62	1
TAJA335*020TNJ	A	3.3	20	85	13	125	0.7	6	4.5	129	116	52	1
TAJB335*020TNJ	В	3.3	20	85	13	125	0.7	6	3	168	151	67	1
TAJA475*020TNJ	A	4.7	20	85	13	125	0.9	6	4	137	123	55	1
													1
TAJB475*020TNJ	В	4.7	20	85	13	125	0.9	6	3	168	151	67	
TAJA685*020TNJ	A	6.8	20	85	13	125	1.4	6	2.4	177	159	71	1
TAJB685*020TNJ	В	6.8	20	85	13	125	1.4	6	2.5	184	166	74	1
TAJC685*020TNJ	С	6.8	20	85	13	125	1.4	6	2	235	211	94	1
TAJB106*020TNJ	В	10	20	85	13	125	2	6	2.1	201	181	80	1
TAJC106*020TNJ	С	10	20	85	13	125	2	6	1.2	303	272	121	1
TAJB156*020TNJ	В	15	20	85	13	125	3	6	2	206	186	82	1
TAJC156*020TNJ	C	15	20	85	13	125	3	6	1.7	254	229	102	1
TAJC226*020TNJ	C	22	20	85	13	125	4.4	6	1.6	262	236	105	1
TAJD226*020TNJV	D	22	20	85	13	125	4.4	6	0.9	408	367	163	3
TAJY226*020TNJV	Y	22	20	85	13	125	4.4	6	0.9	373	335	149	3
TAJC336*020TNJ	С	33	20	85	13	125	6.6	6	1.5	271	244	108	1
TAJD336*020TNJV	D	33	20	85	13	125	6.6	6	0.9	408	367	163	3
TAJY336*020TNJV	Υ	33	20	85	13	125	6.6	6	0.6	456	411	183	3
TAJD476*020TNJV	D	47	20	85	13	125	9.4	6	0.9	408	367	163	3
TAJY476*020TNJV	Y	47	20	85	13	125	9.4	6	0.9	373	335	149	3
TAJD686*020TNJV	D	68	20	85	13	125	13.6	6	0.4	612	551	245	3
TAJE686*020TNJV	E	68	20	85	13	125	13.6	6	0.9	428	385	171	3
TAJE107*020TNJV	Ē	100	20	85	13	125	20	6	0.4	642	578	257	3
					25 Vo	t @ 85°C							
TAJA474*025TNJ	Α	0.47	25	85	17	125	0.5	4	14	73	66	29	1
TAJA684*025TNJ	Α	0.68	25	85	17	125	0.5	4	10	87	78	35	1
TAJA105*025TNJ	Α	1	25	85	17	125	0.5	4	8	97	87	39	1
TAJA155*025TNJ	A	1.5	25	85	17	125	0.5	6	7.5	100	90	40	1
TAJB155*025TNJ	В	1.5	25	85	17	125	0.5	6	5	130	117	52	1
TAJA225*025TNJ	A	2.2	25	85	17	125	0.6	6	7	104	93	41	1
TAJB225*025TNJ	В	2.2	25	85	17	125	0.6	6	4.5	137	124	55	1
TAJA335*025TNJ	A	3.3	25	85	17	125	0.8	6	3.7	142	128	57	1
TAJB335*025TNJ	В	3.3	25	85	17	125	0.8	6	3.5	156	140	62	1
TAJB475*025TNJ	В	4.7	25	85	17	125	1.2	6	1.5	238	214	95	1
TAJC475*025TNJ	С	4.7	25	85	17	125	1.2	6	2.4	214	193	86	1
TAJB685*025TNJ	В	6.8	25	85	17	125	1.7	6	2.8	174	157	70	1
TAJC685*025TNJ	С	6.8	25	85	17	125	1.7	6	2	235	211	94	1
TAJB106*025TNJ	В	10	25	85	17	125	2.5	6	2.5	184	166	74	1
TAJC106*025TNJ	C	10	25	85	17	125	2.5	6	1.8	247	222	99	1
TAJD106*025TNJV	D	10	25	85	17	125	2.5	6	1.2	354	318	141	3
TAJC156*025TNJ	C	15	25	85	17	125	3.8	6	1.6	262	236	105	1
TAJD156*025TNJV	D	15	25	85	17	125	3.8	6	1.0	387	349	155	3
TAJY156*025TNJV	Y	15	25	85	17	125	3.8	6	1	354	318	141	3
TAJC226*025TNJ	С	22	25	85	17	125	5.5	6	1.4	280	252	112	1



Standard Tantalum - Automotive Product Range

RATINGS & PART NUMBER REFERENCE

AVX	Case	Capacitance	Rated Voltage	Rated Temperature	Category Voltage	Category Temperature	DCL Max.	DF Max.	ESR Max.	100kHz	RMS Curre	ent (mA)	MS
Part No.	Size	(μF)	(V) Š	(°C)	(V)	(°C)	(μΑ)	(%)	@ 100kHz (Ω)	25°C	85°C	125°C	
TAJD226*025TNJV	D	22	25	85	17	125	5.5	6	0.9	408	367	163	3
TAJY226*025TNJV	Υ	22	25	85	17	125	5.5	6	0.8	395	356	158	3
TAJD336*025TNJV	D	33	25	85	17	125	8.3	6	0.9	408	367	163	3
TAJD476*025TNJV	D	47	25	85	17	125	11.8	6	0.9	408	367	163	3
TAJE476*025TNJV	E	47	25	85	17	125	11.8	6	0.9	428	385	171	3
TAJE107*025TNJV	E	100	25	85	17	125	25	10	0.3	742	667	297	3
					35 Vo	lt @ 85°C							
TAJA334*035TNJ	Α	0.33	35	85	23	125	0.5	4	15	71	64	28	-
TAJA474*035TNJ	Α	0.47	35	85	23	125	0.5	4	12	79	71	32	
TAJA684*035TNJ	Α	0.68	35	85	23	125	0.5	4	8	97	87	39	-
TAJA105*035TNJ	Α	1	35	85	23	125	0.5	4	7.5	100	90	40	
TAJB105*035TNJ	В	1	35	85	23	125	0.5	4	6.5	114	103	46	-
TAJA155*035TNJ	Α	1.5	35	85	23	125	0.5	6	7.5	100	90	40	-
TAJB155*035TNJ	В	1.5	35	85	23	125	0.5	6	5.2	128	115	51	-
TAJB225*035TNJ	В	2.2	35	85	23	125	0.8	6	4.2	142	128	57	
TAJC225*035TNJ	С	2.2	35	85	23	125	0.8	6	3.5	177	160	71	
TAJB335*035TNJ	В	3.3	35	85	23	125	1.2	6	3.5	156	140	62	
TAJC335*035TNJ	С	3.3	35	85	23	125	1.2	6	2.5	210	189	84	
TAJB475*035TNJ	В	4.7	35	85	23	125	1.6	6	3.1	166	149	66	
TAJC475*035TNJ	С	4.7	35	85	23	125	1.6	6	2.2	224	201	89	
TAJD475*035TNJV	D	4.7	35	85	23	125	1.6	6	1.5	316	285	126	(
TAJC685*035TNJ	С	6.8	35	85	23	125	2.4	6	1.8	247	222	99	-
TAJD685*035TNJV	D	6.8	35	85	23	125	2.4	6	1.3	340	306	136	(
TAJC106*035TNJ	С	10	35	85	23	125	3.5	6	1.6	262	236	105	-
TAJD106*035TNJV	D	10	35	85	23	125	3.5	6	1	387	349	155	(
TAJY106*035TNJV	Υ	10	35	85	23	125	3.5	6	1	354	318	141	(
TAJD156*035TNJV	D	15	35	85	23	125	5.3	6	0.9	408	367	163	(
TAJY156*035TNJV	Υ	15	35	85	23	125	5.3	6	0.6	456	411	183	(
TAJD226*035TNJV	D	22	35	85	23	125	7.7	6	0.9	408	367	163	(
TAJE226*035TNJV	Ē	22	35	85	23	125	7.7	6	0.5	574	517	230	
TAJD336*035TNJV	D	33	35	85	23	125	11.6	6	0.9	408	367	163	- (
TAJE336*035TNJV	Ē	33	35	85	23	125	11.6	6	0.9	428	385	171	
77.102000 00011101		00		00		t @ 85°C	1 110		0.0	.20	1 000		
TAJA224*050TNJ	ΙΑ	0.22	50	85	33	125	0.5	4	18	65	58	26	
TAJA334*050TNJ	A	0.33	50	85	33	125	0.5	4	17	66	60	27	
TAJA474*050TNJ	A	0.47	50	85	33	125	0.5	4	9.5	89	80	36	
TAJB474*050TNJ	В	0.47	50	85	33	125	0.7	4	9.5	95	85	38	
TAJB684*050TNJ	В	0.47	50	85	33	125	0.7	4	8	103	93	41	
TAJB105*050TNJ	В	1	50	85	33	125	0.5	6	7	110	99	44	
TAJC105*050TNJ	C	1	50	85	33	125	0.5	4	5.5	141	127	57	
TAJC105 050TNJ	C	1.5	50	85	33	125	0.8	6	4.5	156	141	63	-
TAJC135 050TNJ	C	2.2	50	85	33	125	1.1	8	2.5	210	189	84	
TAJD225*050TNJV	D	2.2	50	85	33	125	1.1	6	2.5	245	220	98	(
TAJC335*050TNJ	C	3.3	50	85	33	125	1.6	6	2.5	210	189	84	-
TAJD335*050TNJV	D	3.3	50	85	33	125	1.7	6	2.5	274	246	110	(
TAJC475*050TNJ	C	4.7	50	85	33	125	0.5	4	1.4	280	252	112	
TAJD475*050TNJV	D	4.7	50	85	33	125	2.4	6	1.4	327	295	131	(
TAJD685*050TNJV	D	6.8	50	85	33	125	3.4	6	1.4	387	349	155	
									<u> </u>				(
TAJD106*050TNJV	D	10	50	85	33	125	5	6	0.8	433	390	173	3
TAJE106*050TNJV	E	10	50	85	33	125	5	6	-	406	366	162	(
TAJE156*050TNJV	E	15	50	85	33	125	7.5	6	0.6	524	472	210	1 -

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.

^{*}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".



Standard Tantalum - Automotive Product Range

QUALIFICATION TABLE

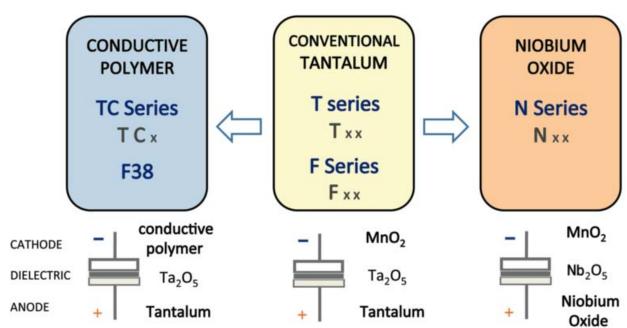
TEST			AJ automotive	series (Temperature)				
		Condition										
	l											
	Apply rate	ed voltage (Ur) at 85°C ar	nd / or category	_	1.25	x initial	limit					
Endurance				1	within ±10% of initial value							
				AC/C within ±10% of initial value								
Cone Apply rated voltage (Ur) at 125°C for 2 impedance of ≤0.1Ω/V. State for 1-2 hours before meas Storage Life Store at 125°C, no voltage Stabilize at room temperat measuring. Humidity Store at 65°C and 95% r hours, with no applied vot temperature and humidit measuring. Biased Humidity Apply rated voltage (Ur) and humidit measuring. Temperature Stability Step Temperature 1 +20 2 -55 3 +220 4 +85 5 +125 6 +20 Surge Voltage Apply 1.3x category vol 1000 cycles of duration 5 min 30 sec discharge discharge resistance of Mechanical			ESR	initial limit								
				Visual examination	no visible damage							
	Store at 1	25°C. no voltage applied	. for 2000 hours.	DCL	1.25	x initial	limit					
Storage Life	Stabilize a	at room temperature for 1		ΔC/C	withi	n ±10%	of initia	l value				
	measuring	J .		DF	initial	l limit						
Condition												
				Visual examination	no vi	sible da	mage					
Humidity								l value				
•			riours before					· vaiao				
	,	5										
				_								
	Apply rate	ed voltage (Ur) at 85°C,	85% relative									
	humidity	for 1000 hours. Stabilize	e at room					l value				
Humidity			2 hours before					i value				
	measumi	y.					THE					
	Cton	Tomporaturo	Duration(min)	LOIT			.0000	.0500	.10500	. 000		
				DOL	_							
Temperature					IL*							
•				ΔC/C	n/a	+0/-10%	±5%	+10/-0%	+12/-0%	±5%		
Otability				DF	IL*	1.5 x IL*	IL*	IL* 10 x IL* 12.5 x IL* IL* -5% +10/-0% +12/-0% ±5%				
				ESR	II *	2 x II *	II *	II *	IL*	IL*		
		120						ı.L				
	Apply 1.3	3x category voltage (Ul	c) at 125°C for				mage					
-	1000 cyc	les of duration 6 min (30 sec charge,				. ا د الماد ا ک					
Voltage			h a charge /				ot initiai	value				
	discharge	e resistance of 10000										
				_								
							nage					
Mechanical				_								
Shock	MIL-STD	0-202, Method 213, Co	ndition F				t initial v	value				
							nage					
Vibration	MIL-STD	-202, Method 204, Co	ndition D		withir	า ±5% o	f initial v	value				
				DF	initial	limit						
				ESR	initial limit							

*Initial Limit

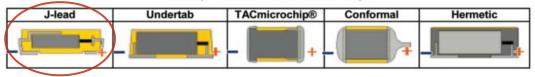


Standard Tantalum - Automotive Product Range

AVX SOLID ELECTROLYTIC CAPACITOR ROADMAP



Five Capacitor Construction Styles



SERIES LINE UP: CONVENTIONAL SMD MnO₂

