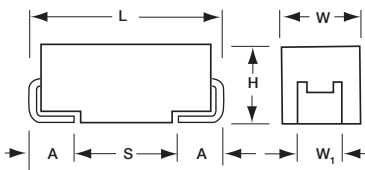
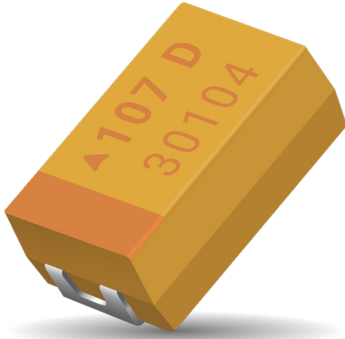


TAJ ESCC TANTALUM CAPACITORS

SMD Solid Tantalum Chip Capacitors



GENERAL DESCRIPTION

Capacitors, Fixed, Leadless Surface Mount, Chip, Solid electrolyte Tantalum for use in ESCC space programs, according to ESCC Generic Specification 3012 and associated Detail Specification 3012/001 as recommended by the Space Components Coordination Group (ranges in table below).



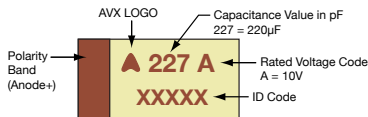
CASE DIMENSIONS: millimeters (inches)

Code	EIA Code	Variant	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	3216-18	01	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	3528-21	02	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	6032-28	13	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	7343-31	14	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	7343-43	17	7.30 (0.287)	4.30 (0.169)	4.10 (0.162)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)

W₁ dimension applies to the termination width for A dimensional area only.

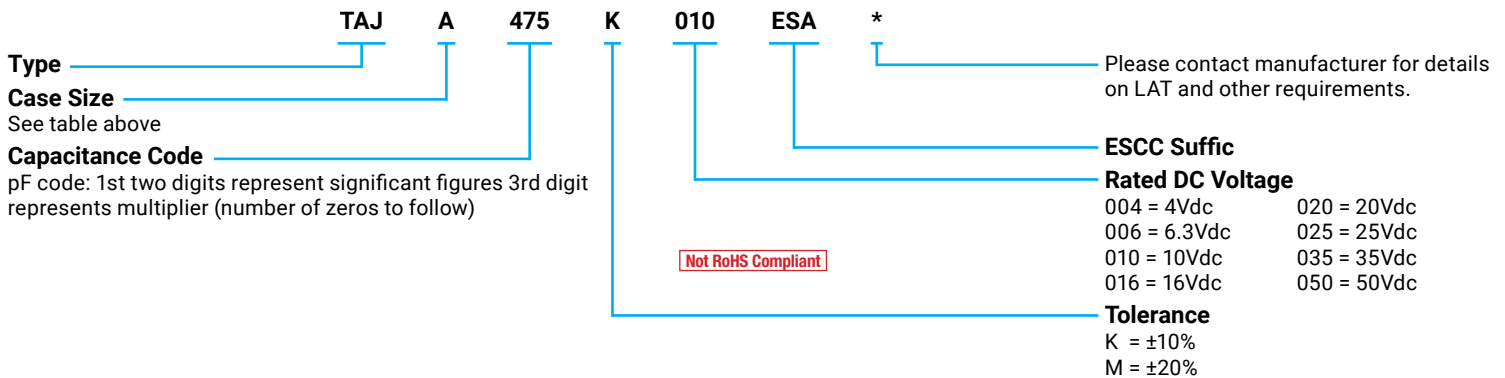
MARKING

A, B, C, D, E CASE

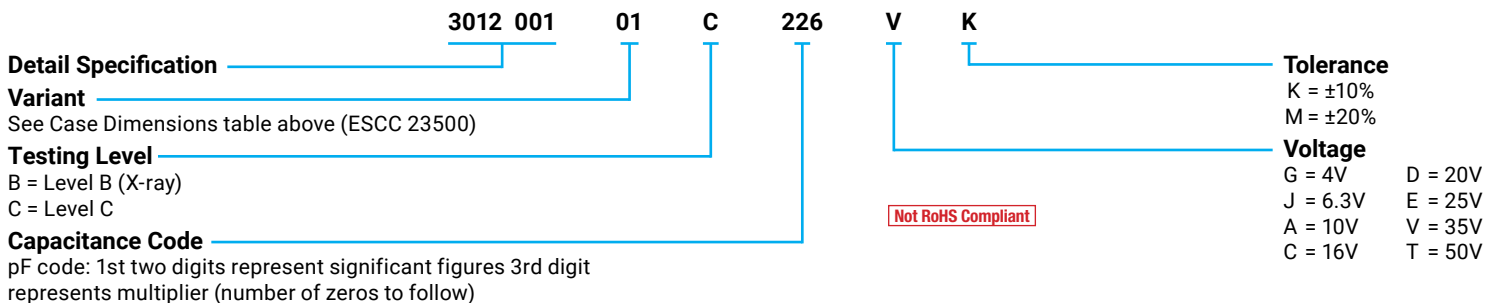


ESCC DETAIL SPECIFICATION No. 3012/001 Issue 6

HOW TO ORDER – AVX PART NUMBER:



ESCC PART NUMBER – MANDATORY FOR ORDERING:

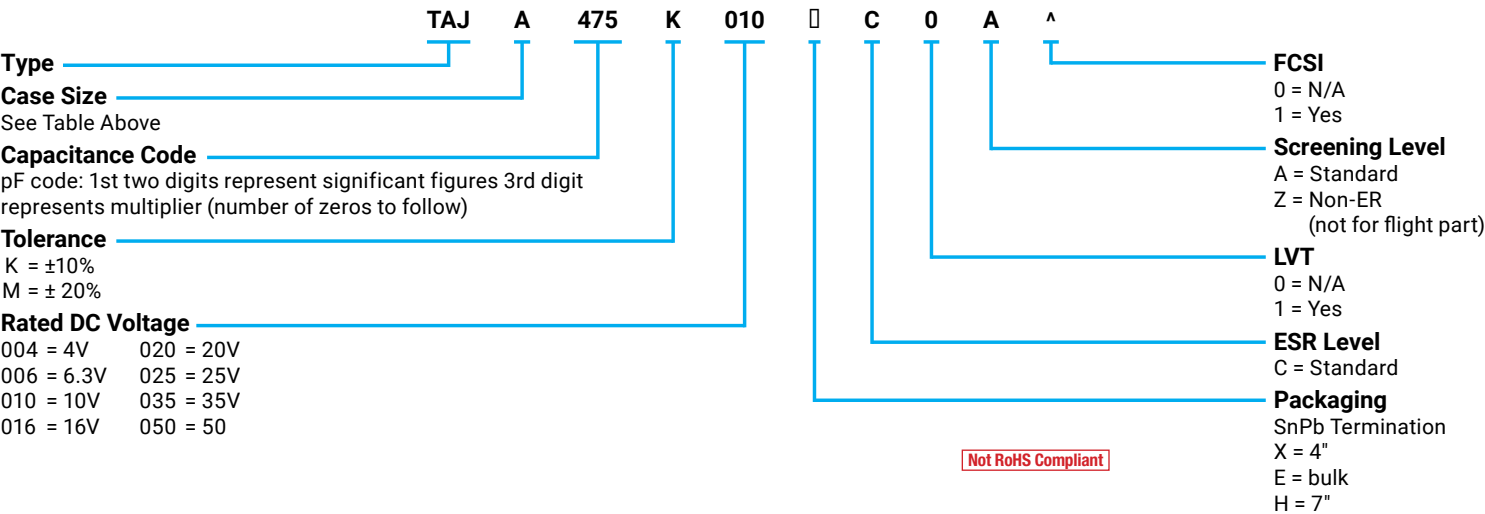


TAJ ESCC TANTALUM CAPACITORS

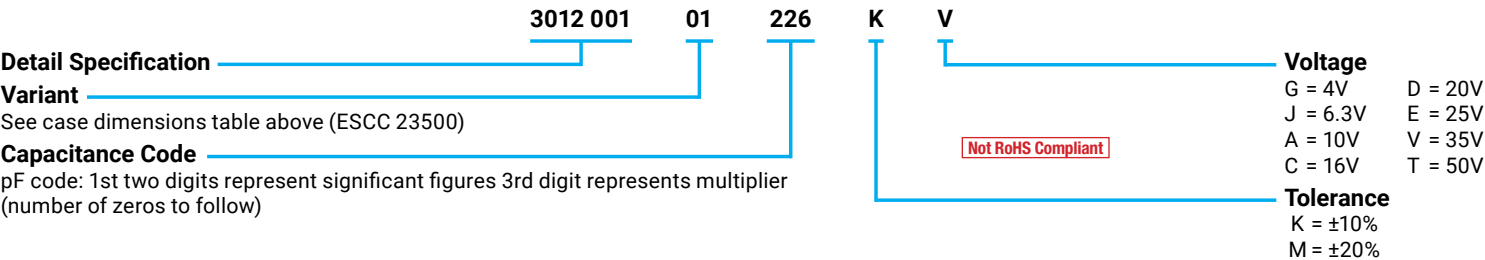
SMD Solid Tantalum Chip Capacitors



ESCC DETAIL SPECIFICATION No. 3012/001 Issue 7 HOW TO ORDER AVX PART NUMBER:



ESCC PART NUMBER – MANDATORY FOR ORDERING:



CAPACITANCE AND RATED VOLTAGE, V_R (VOLTAGE CODE) RANGE (LETTER DENOTES CASE SIZE)

Capacitance		Rated Voltage DC (V _R) at 85°C							
μF	Code	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	B
0.22	224							A	B
0.33	334							A	B
0.47	474						A	A/B	C
0.68	684					A	A	A/B	C
1.0	105				A	A	A	B	C
1.5	155			A	A	A	B	B/C	D
2.2	225		A	A	A/B	B	B	B/C	D
3.3	335	A	A	A	A/B	B	B/C	C	D
4.7	475	A	A	A/B	B	B/C	C	C/D	D
6.8	685	A	A/B	B	B/C	C	C/D	D	D
10	106	A/B	B	B/C	C	C	C/D	D	E
15	156	B	B/C	C	C	C/D	D	D	
22	226	B/C	C	C	C/D	D	D	E	
33	336	C	C	C/D	D	D	E		
47	476	C/D	C/D	C/D	D	E			
68	686	C/D	D	D	D	E			
100	107	D	D	D	E				
150	157	D	D	E					
220	227	E	E	E					

OPTION

Packaging: Tape and reel available on request – Contact marketing.

TAJ ESCC TANTALUM CAPACITORS

SMD Solid Tantalum Chip Capacitors

RATINGS & PART NUMBER REFERENCE, Issue 6

ESCC Part No.	AVX Part No.	Case Size	Capacitance (μF)	Rated Voltage (V)	DCL Max. (μA)	DF Max. (%)	ESR Max. @100kHz (Ω)	100kHz Ripple Current (mA)			100kHz Ripple Voltage (mV)		
								Ratings			Ratings		
								25°C	85°C	125°C	25°C	85°C	125°C
4 Volt @ 85°C (2.7 Volt @ 125°C)													
301200101#335G*	TAJA335*004ESA	A	3.3	4	0.5	6	9	91	82	37	822	739	329
301200101#475G*	TAJA475*004ESA	A	4.7	4	0.5	6	7.5	100	90	40	750	675	300
301200101#685G*	TAJA685*004ESA	A	6.8	4	0.5	6	6.5	107	97	43	698	628	279
301200101#106G*	TAJA106*004ESA	A	10	4	0.5	6	6	112	101	45	671	604	268
301200102#106G*	TAJB106*004ESA	B	10	4	0.5	6	4	146	131	58	583	525	233
301200102#156G*	TAJB156*004ESA	B	15	4	0.6	6	3	168	151	67	505	454	202
301200102#226G*	TAJB226*004ESA	B	22	4	0.9	6	2.5	184	166	74	461	415	184
301200113#226G*	TAJC226*004ESA	C	22	4	0.9	6	2.3	219	197	87	503	453	201
301200113#336G*	TAJC336*004ESA	C	33	4	1.3	6	2	235	211	94	469	422	188
301200113#476G*	TAJC476*004ESA	C	47	4	1.9	6	1.8	247	222	99	445	400	178
301200114#476G*	TAJD476*004ESA	D	47	4	1.9	6	1.8	289	260	115	520	468	208
301200113#686G*	TAJC686*004ESA	C	68	4	2.7	6	1.6	262	236	105	420	378	168
301200114#686G*	TAJD686*004ESA	D	68	4	2.7	6	1.1	369	332	148	406	366	162
301200114#107G*	TAJD107*004ESA	D	100	4	4	6	0.9	408	367	163	367	331	147
301200114#157G*	TAJD157*004ESA	D	150	4	6	6	0.9	408	367	163	367	331	147
301200117#227G*	TAJE227*004ESA	E	220	4	8.8	6	0.9	428	385	171	385	347	154
6.3 Volt @ 85°C (4 Volt @ 125°C)													
301200101#225J*	TAJA225*006ESA	A	2.2	6.3	0.5	6	9	91	82	37	822	739	329
301200101#335J*	TAJA335*006ESA	A	3.3	6.3	0.5	6	7	104	93	41	725	652	290
301200101#475J*	TAJA475*006ESA	A	4.7	6.3	0.5	6	6	112	101	45	671	604	268
301200101#685J*	TAJA685*006ESA	A	6.8	6.3	0.5	6	5	122	110	49	612	551	245
301200102#685J*	TAJB685*006ESA	B	6.8	6.3	0.5	6	4	146	131	58	583	525	233
301200102#106J*	TAJB106*006ESA	B	10	6.3	0.6	6	3	168	151	67	505	454	202
301200102#156J*	TAJB156*006ESA	B	15	6.3	0.9	6	2	206	186	82	412	371	165
301200113#156J*	TAJC156*006ESA	C	15	6.3	0.9	6	2.5	210	189	84	524	472	210
301200113#226J*	TAJC226*006ESA	C	22	6.3	1.4	6	2	235	211	94	469	422	188
301200113#336J*	TAJC336*006ESA	C	33	6.3	2.1	6	1.8	247	222	99	445	400	178
301200113#476J*	TAJC476*006ESA	C	47	6.3	3	6	1.6	262	236	105	420	378	168
301200114#476J*	TAJD476*006ESA	D	47	6.3	3	6	1.1	369	332	148	406	366	162
301200114#686J*	TAJD686*006ESA	D	68	6.3	4.3	6	0.9	408	367	163	367	331	147
301200114#107J*	TAJD107*006ESA	D	100	6.3	6.3	6	0.9	408	367	163	367	331	147
301200114#157J*	TAJD157*006ESA	D	150	6.3	9.5	6	0.9	408	367	163	367	331	147
301200117#227J*	TAJE227*006ESA	E	220	6.3	13.9	6	0.4	642	578	257	257	231	103
10 Volt @ 85°C (7 Volt @ 125°C)													
301200101#155A*	TAJA155*010ESA	A	1.5	10	0.5	6	10	87	78	35	866	779	346
301200101#225A*	TAJA225*010ESA	A	2.2	10	0.5	6	7	104	93	41	725	652	290
301200101#335A*	TAJA335*010ESA	A	3.3	10	0.5	6	5.5	117	105	47	642	578	257
301200101#475A*	TAJA475*010ESA	A	4.7	10	0.5	6	5	122	110	49	612	551	245
301200102#475A*	TAJB475*010ESA	B	4.7	10	0.5	6	4	146	131	58	583	525	233
301200102#685A*	TAJB685*010ESA	B	6.8	10	0.7	6	3	168	151	67	505	454	202
301200102#106A*	TAJB106*010ESA	B	10	10	1	6	2.1	201	181	80	422	380	169
301200113#106A*	TAJC106*010ESA	C	10	10	1	6	2.5	210	189	84	524	472	210
301200113#156A*	TAJC156*010ESA	C	15	10	1.5	6	2	235	211	94	469	422	188
301200113#226A*	TAJC226*010ESA	C	22	10	2.2	6	1.8	247	222	99	445	400	178
301200113#336A*	TAJC336*010ESA	C	33	10	3.3	6	1.6	262	236	105	420	378	168
301200114#336A*	TAJD336*010ESA	D	33	10	3.3	6	1.1	369	332	148	406	366	162
301200113#476A*	TAJC476*010ESA	C	47	10	4.7	6	1.2	303	272	121	363	327	145
301200114#476A*	TAJD476*010ESA	D	47	10	4.7	6	0.4	612	551	245	245	220	98
301200114#686A*	TAJD686*010ESA	D	68	10	6.8	6	0.9	408	367	163	367	331	147
301200114#107A*	TAJD107*010ESA	D	100	10	10	6	0.9	408	367	163	367	331	147
301200117#157A*	TAJE157*010ESA	E	150	10	15	6	0.9	428	385	171	385	347	154
301200117#227A*	TAJE227*010ESA	E	220	10	22	6	0.5	574	517	230	287	259	115
16 Volt @ 85°C (10 Volt @ 125°C)													
301200101#105C*	TAJA105*016ESA	A	1.0	16	0.5	4	11	83	74	33	908	817	363
301200101#155C*	TAJA155*016ESA	A	1.5	16	0.5	6	8	97	87	39	775	697	310
301200101#225C*	TAJA225*016ESA	A	2.2	16	0.5	6	6.5	107	97	43	698	628	279
301200102#225C*	TAJB225*016ESA	B	2.2	16	0.5	6	5.5	124	112	50	684	615	273
301200101#335C*	TAJA335*016ESA	A	3.3	16	0.5	6	5	122	110	49	612	551	245
301200102#335C*	TAJB335*016ESA	B	3.3	16	0.5	6	4.5	137	124	55	618	557	247
301200102#475C*	TAJB475*016ESA	B	4.7	16	0.8	6	3.5	156	140	62	545	491	218
301200102#685C*	TAJB685*016ESA	B	6.8	16	1.1	6	2.5	184	166	74	461	415	184
301200113#685C*	TAJC685*016ESA	C	6.8	16	1.1	6	2.5	210	189	84	524	472	210
301200113#106C*	TAJC106*016ESA	C	10	16	1.6	6	2	235	211	94	469	422	188
301200113#156C*	TAJC156*016ESA	C	15	16	2.4	6	1.8	247	222	99	445	400	178

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.
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 ESCC TANTALUM CAPACITORS

SMD Solid Tantalum Chip Capacitors



RATINGS & PART NUMBER REFERENCE, Issue 6

ESCC Part No.	AVX Part No.	Case Size	Capacitance (μF)	Rated Voltage (V)	DCL Max. (μA)	DF Max. (%)	ESR Max. @100kHz (Ω)	100kHz Ripple Current (mA) Ratings			100kHz Ripple Voltage (mV) Ratings		
								25°C	85°C	125°C	25°C	85°C	125°C
301200113#226C*	TAJC226*016ESA	C	22	16	3.5	6	1	332	298	133	332	298	133
301200114#226C*	TAJD226*016ESA	D	22	16	3.5	6	1.1	369	332	148	406	366	162
301200114#336C*	TAJD336*016ESA	D	33	16	5.3	6	0.9	408	367	163	367	331	147
301200114#476C*	TAJD476*016ESA	D	47	16	7.5	6	0.9	408	367	163	367	331	147
301200114#686C*	TAJD686*016ESA	D	68	16	10.9	6	0.9	408	367	163	367	331	147
301200117#107C*	TAJE107*016ESA	E	100	16	16	6	0.9	428	385	171	385	347	154
20 Volt @ 85°C (13 Volt @ 125°C)													
301200101#684D*	TAJA684*020ESA	A	0.68	20	0.5	4	12	79	71	32	949	854	379
301200101#105D*	TAJA105*020ESA	A	1.0	20	0.5	4	9	91	82	37	822	739	329
301200101#155D*	TAJA155*020ESA	A	1.5	20	0.5	6	6.5	107	97	43	698	628	279
301200102#225D*	TAJB225*020ESA	B	2.2	20	0.5	6	3.5	156	140	62	545	491	218
301200102#335D*	TAJB335*020ESA	B	3.3	20	0.7	6	3	168	151	67	505	454	202
301200102#475D*	TAJB475*020ESA	B	4.7	20	0.9	6	3	168	151	67	505	454	202
301200113#475D*	TAJC475*020ESA	C	4.7	20	0.9	6	2.8	198	178	79	555	499	222
301200113#685D*	TAJC685*020ESA	C	6.8	20	1.4	6	2	235	211	94	469	422	188
301200113#106D*	TAJC106*020ESA	C	10	20	2	6	1.2	303	272	121	363	327	145
301200113#156D*	TAJC156*020ESA	C	15	20	3	6	1.7	254	229	102	432	389	173
301200114#156D*	TAJD156*020ESA	D	15	20	3	6	1.1	369	332	148	406	366	162
301200114#226D*	TAJD226*020ESA	D	22	20	4.4	6	0.9	408	367	163	367	331	147
301200114#336D*	TAJD336*020ESA	D	33	20	6.6	6	0.9	408	367	163	367	331	147
301200117#476D*	TAJE476*020ESA	E	47	20	9.4	6	0.9	428	385	171	385	347	154
301200117#686D*	TAJE686*020ESA	E	68	20	13.6	6	0.9	428	385	171	385	347	154
25 Volt @ 85°C (17 Volt @ 125°C)													
301200101#474E*	TAJA474*025ESA	A	0.47	25	0.5	4	14	73	66	29	1025	922	410
301200101#684E*	TAJA684*025ESA	A	0.68	25	0.5	4	10	87	78	35	866	779	346
301200101#105E*	TAJA105*025ESA	A	1.0	25	0.5	4	8	97	87	39	775	697	310
301200102#155E*	TAJB155*025ESA	B	1.5	25	0.5	6	5	130	117	52	652	587	261
301200102#225E*	TAJB225*025ESA	B	2.2	25	0.6	6	4.5	137	124	55	618	557	247
301200102#335E*	TAJB335*025ESA	B	3.3	25	0.8	6	3.5	156	140	62	545	491	218
301200113#335E*	TAJC335*025ESA	C	3.3	25	0.8	6	2.8	198	178	79	555	499	222
301200113#475E*	TAJC475*025ESA	C	4.7	25	1.2	6	2.4	214	193	86	514	462	206
301200113#685E*	TAJC685*025ESA	C	6.8	25	1.7	6	2	235	211	94	469	422	188
301200114#685E*	TAJD685*025ESA	D	6.8	25	1.7	6	1.4	327	295	131	458	412	183
301200113#106E*	TAJC106*025ESA	C	10	25	2.5	6	1.8	247	222	99	445	400	178
301200114#106E*	TAJD106*025ESA	D	10	25	2.5	6	1.2	354	318	141	424	382	170
301200114#156E*	TAJD156*025ESA	D	15	25	3.8	6	1	387	349	155	387	349	155
301200114#226E*	TAJD226*025ESA	D	22	25	5.5	6	0.9	408	367	163	367	331	147
301200117#336E*	TAJE336*025ESA	E	33	25	8.3	6	0.9	428	385	171	385	347	154
35 Volt @ 85°C (23 Volt @ 125°C)													
301200101#104V*	TAJA104*035ESA	A	0.10	35	0.5	4	24	56	50	22	1342	1207	537
301200101#154V*	TAJA154*035ESA	A	0.15	35	0.5	4	21	60	54	24	1255	1129	502
301200101#224V*	TAJA224*035ESA	A	0.22	35	0.5	4	18	65	58	26	1162	1046	465
301200101#334V*	TAJA334*035ESA	A	0.33	35	0.5	4	15	71	64	28	1061	955	424
301200101#474V*	TAJA474*035ESA	A	0.47	35	0.5	4	12	79	71	32	949	854	379
301200102#474V*	TAJB474*035ESA	B	0.47	35	0.5	4	10	92	83	37	922	830	369
301200101#684V*	TAJA684*035ESA	A	0.68	35	0.5	4	8	97	87	39	775	697	310
301200102#684V*	TAJB684*035ESA	B	0.68	35	0.5	4	8	103	93	41	825	742	330
301200102#105V*	TAJB105*035ESA	B	1.0	35	0.5	4	6.5	114	103	46	743	669	297
301200102#155V*	TAJB155*035ESA	B	1.5	35	0.5	6	5.2	128	115	51	665	598	266
301200113#155V*	TAJC155*035ESA	C	1.5	35	0.5	6	4.5	156	141	63	704	633	281
301200102#225V*	TAJB225*035ESA	B	2.2	35	0.8	6	4.2	142	128	57	597	538	239
301200113#225V*	TAJC225*035ESA	C	2.2	35	0.8	6	3.5	177	160	71	620	558	248
301200113#335V*	TAJC335*035ESA	C	3.3	35	1.2	6	2.5	210	189	84	524	472	210
301200113#475V*	TAJC475*035ESA	C	4.7	35	1.6	6	2.2	224	201	89	492	443	197
301200114#475V*	TAJD475*035ESA	D	4.7	35	1.6	6	1.5	316	285	126	474	427	190
301200114#685V*	TAJD685*035ESA	D	6.8	35	2.4	6	1.3	340	306	136	442	397	177
301200114#106V*	TAJD106*035ESA	D	10	35	3.5	6	1	387	349	155	387	349	155
301200114#156V*	TAJD156*035ESA	D	15	35	5.3	6	0.9	408	367	163	367	331	147
301200117#226V*	TAJE226*035ESA	E	22	35	7.7	6	0.5	574	517	230	287	259	115

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. 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 ESCC TANTALUM CAPACITORS

SMD Solid Tantalum Chip Capacitors



RATINGS & PART NUMBER REFERENCE, Issue 6

ESCC Part No.	AVX Part No.	Case Size	Capacitance (μF)	Rated Voltage (V)	DCL Max. (μA)	DF Max. (%)	ESR Max. @100kHz (Ω)	100kHz Ripple Current (mA)			100kHz Ripple Voltage (mV)		
								Ratings			Ratings		
								25°C	85°C	125°C	25°C	85°C	125°C
50 Volt @ 85°C (33 Volt @ 125°C)													
301200101#104T*	TAJA104*050ESA	A	0.10	50	0.5	4	22	58	53	23	1285	1156	514
301200102#154T*	TAJB154*050ESA	B	0.15	50	0.5	4	17	71	64	28	1202	1082	481
301200102#224T*	TAJB224*050ESA	B	0.22	50	0.5	4	14	78	70	31	1091	982	436
301200102#334T*	TAJB334*050ESA	B	0.33	50	0.5	4	12	84	76	34	1010	909	404
301200113#474T*	TAJC474*050ESA	C	0.47	50	0.5	4	8	117	106	47	938	844	375
301200113#684T*	TAJC684*050ESA	C	0.68	50	0.5	4	7	125	113	50	877	790	351
301200113#105T*	TAJC105*050ESA	C	1.0	50	0.5	4	5.5	141	127	57	778	700	311
301200114#155T*	TAJD155*050ESA	D	1.5	50	0.8	6	4	194	174	77	775	697	310
301200114#225T*	TAJD225*050ESA	D	2.2	50	1.1	6	2.5	245	220	98	612	551	245
301200114#335T*	TAJD335*050ESA	D	3.3	50	1.7	6	2	274	246	110	548	493	219
301200114#475T*	TAJD475*050ESA	D	4.7	50	2.4	6	1.4	327	295	131	458	412	183
301200114#685T*	TAJD685*050ESA	D	6.8	50	3.4	6	1	387	349	155	387	349	155
301200117#106T*	TAJE106*050ESA	E	10	50	5	6	0.8	454	409	182	363	327	145

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.
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 ESCC TANTALUM CAPACITORS

SMD Solid Tantalum Chip Capacitors



RATINGS & PART NUMBER REFERENCE, Issue 7

ESCC Part No.	AVX Part No.	Case Size	Capacitance (μF)	Rated Voltage (V)	DCL Max. (μA)	DF Max. (%)	ESR Max. @100kHz (Ω)	100kHz Ripple Current (mA) Ratings			100kHz Ripple Voltage (mV) Ratings		
								25°C	85°C	125°C	25°C	85°C	125°C
4 Volt @ 85°C (2.7 Volt @ 125°C)													
301200101335*G	TAJA335*004C0A^	A	3.3	4	0.5	6	9	91	82	37	822	739	329
301200101475*G	TAJA475*004C0A^	A	4.7	4	0.5	6	7.5	100	90	40	750	675	300
301200101685*G	TAJA685*004C0A^	A	6.8	4	0.5	6	6.5	107	97	43	698	628	279
301200101106*G	TAJA106*004C0A^	A	10	4	0.5	6	6	112	101	45	671	604	268
301200102106*G	TAJB106*004C0A^	B	10	4	0.5	6	4	146	131	58	583	525	233
301200102156*G	TAJB156*004C0A^	B	15	4	0.6	6	3	168	151	67	505	454	202
301200102226*G	TAJB226*004C0A^	B	22	4	0.9	6	2.5	184	166	74	461	415	184
301200113226*G	TAJC226*004C0A^	C	22	4	0.9	6	2.3	219	197	87	503	453	201
301200113336*G	TAJC336*004C0A^	C	33	4	1.3	6	2	235	211	94	469	422	188
301200113476*G	TAJC476*004C0A^	C	47	4	1.9	6	1.8	247	222	99	445	400	178
301200114476*G	TAJD476*004C0A^	D	47	4	1.9	6	1.8	289	260	115	520	468	208
301200113686*G	TAJC686*004C0A^	C	68	4	2.7	6	1.6	262	236	105	420	378	168
301200114686*G	TAJD686*004C0A^	D	68	4	2.7	6	1.1	369	332	148	406	366	162
301200114107*G	TAJD107*004C0A^	D	100	4	4	6	0.9	408	367	163	367	331	147
301200114157*G	TAJD157*004C0A^	D	150	4	6	6	0.9	408	367	163	367	331	147
301200117227*G	TAJE227*004C0A^	E	220	4	8.8	6	0.9	428	385	171	385	347	154
6.3 Volt @ 85°C (4 Volt @ 125°C)													
301200101225*J	TAJA225*006C0A^	A	2.2	6.3	0.5	6	9	91	82	37	822	739	329
301200101335*J	TAJA335*006C0A^	A	3.3	6.3	0.5	6	7	104	93	41	725	652	290
301200101475*J	TAJA475*006C0A^	A	4.7	6.3	0.5	6	6	112	101	45	671	604	268
301200101685*J	TAJA685*006C0A^	A	6.8	6.3	0.5	6	5	122	110	49	612	551	245
301200102685*J	TAJB685*006C0A^	B	6.8	6.3	0.5	6	4	146	131	58	583	525	233
301200102106*J	TAJB106*006C0A^	B	10	6.3	0.6	6	3	168	151	67	505	454	202
301200102156*J	TAJB156*006C0A^	B	15	6.3	0.9	6	2	206	186	82	412	371	165
301200113156*J	TAJC156*006C0A^	C	15	6.3	0.9	6	2.5	210	189	84	524	472	210
301200113226*J	TAJC226*006C0A^	C	22	6.3	1.4	6	2	235	211	94	469	422	188
301200113336*J	TAJC336*006C0A^	C	33	6.3	2.1	6	1.8	247	222	99	445	400	178
301200113476*J	TAJC476*006C0A^	C	47	6.3	3	6	1.6	262	236	105	420	378	168
301200114476*J	TAJD476*006C0A^	D	47	6.3	3	6	1.1	369	332	148	406	366	162
301200114686*J	TAJD686*006C0A^	D	68	6.3	4.3	6	0.9	408	367	163	367	331	147
301200114107*J	TAJD107*006C0A^	D	100	6.3	6.3	6	0.9	408	367	163	367	331	147
301200114157*J	TAJD157*006C0A^	D	150	6.3	9.5	6	0.9	408	367	163	367	331	147
301200117227*J	TAJE227*006C0A^	E	220	6.3	13.9	6	0.4	642	578	257	257	231	103
10 Volt @ 85°C (7 Volt @ 125°C)													
301200101155*A	TAJA155*010C0A^	A	1.5	10	0.5	6	10	87	78	35	866	779	346
301200101225*A	TAJA225*010C0A^	A	2.2	10	0.5	6	7	104	93	41	725	652	290
301200101335*A	TAJA335*010C0A^	A	3.3	10	0.5	6	5.5	117	105	47	642	578	257
301200101475*A	TAJA475*010C0A^	A	4.7	10	0.5	6	5	122	110	49	612	551	245
301200102475*A	TAJB475*010C0A^	B	4.7	10	0.5	6	4	146	131	58	583	525	233
301200102685*A	TAJB685*010C0A^	B	6.8	10	0.7	6	3	168	151	67	505	454	202
301200102106*A	TAJB106*010C0A^	B	10	10	1	6	2.1	201	181	80	422	380	169
301200113106*A	TAJC106*010C0A^	C	10	10	1	6	2.5	210	189	84	524	472	210
301200113156*A	TAJC156*010C0A^	C	15	10	1.5	6	2	235	211	94	469	422	188
301200113226*A	TAJC226*010C0A^	C	22	10	2.2	6	1.8	247	222	99	445	400	178
301200113336*A	TAJC336*010C0A^	C	33	10	3.3	6	1.6	262	236	105	420	378	168
301200114336*A	TAJD336*010C0A^	D	33	10	3.3	6	1.1	369	332	148	406	366	162
301200113476*A	TAJC476*010C0A^	C	47	10	4.7	6	1.2	303	272	121	363	327	145
301200114476*A	TAJD476*010C0A^	D	47	10	4.7	6	0.4	612	551	245	245	220	98
301200114686*A	TAJD686*010C0A^	D	68	10	6.8	6	0.9	408	367	163	367	331	147
301200114107*A	TAJD107*010C0A^	D	100	10	10	6	0.9	408	367	163	367	331	147
301200117157*A	TAJE157*010C0A^	E	150	10	15	6	0.9	428	385	171	385	347	154
301200117227*A	TAJE227*010C0A^	E	220	10	22	6	0.5	574	517	230	287	259	115
16 Volt @ 85°C (10 Volt @ 125°C)													
301200101105*C	TAJA105*016C0A^	A	1.0	16	0.5	4	11	83	74	33	908	817	363
301200101155*C	TAJA155*016C0A^	A	1.5	16	0.5	6	8	97	87	39	775	697	310
301200101225*C	TAJA225*016C0A^	A	2.2	16	0.5	6	6.5	107	97	43	698	628	279
301200102225*C	TAJB225*016C0A^	B	2.2	16	0.5	6	5.5	124	112	50	684	615	273
301200101335*C	TAJA335*016C0A^	A	3.3	16	0.5	6	5	122	110	49	612	551	245
301200102335*C	TAJB335*016C0A^	B	3.3	16	0.5	6	4.5	137	124	55	618	557	247
301200102475*C	TAJB475*016C0A^	B	4.7	16	0.8	6	3.5	156	140	62	545	491	218
301200102685*C	TAJB685*016C0A^	B	6.8	16	1.1	6	2.5	184	166	74	461	415	184
301200113685*C	TAJC685*016C0A^	C	6.8	16	1.1	6	2.5	210	189	84	524	472	210

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.
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 ESCC TANTALUM CAPACITORS

SMD Solid Tantalum Chip Capacitors

RATINGS & PART NUMBER REFERENCE, Issue 7

ESCC Part No.	AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	DCL Max. (µA)	DF Max. (%)	ESR Max. @100kHz (Ω)	100kHz Ripple Current (mA) Ratings			100kHz Ripple Voltage (mV) Ratings		
								25°C	85°C	125°C	25°C	85°C	125°C
301200113106*C	TAJ106*016C0A [^]	C	10	16	1.6	6	2	235	211	94	469	422	188
301200113156*C	TAJ156*016C0A [^]	C	15	16	2.4	6	1.8	247	222	99	445	400	178
301200113226*C	TAJ226*016C0A [^]	C	22	16	3.5	6	1	332	298	133	332	298	133
301200114226*C	TAJD226*016C0A [^]	D	22	16	3.5	6	1.1	369	332	148	406	366	162
301200114336*C	TAJD336*016C0A [^]	D	33	16	5.3	6	0.9	408	367	163	367	331	147
301200114476*C	TAJD476*016C0A [^]	D	47	16	7.5	6	0.9	408	367	163	367	331	147
301200114686*C	TAJD686*016C0A [^]	D	68	16	10.9	6	0.9	408	367	163	367	331	147
301200117107*C	TAJE107*016C0A [^]	E	100	16	16	6	0.9	428	385	171	385	347	154
20 Volt @ 85°C (13 Volt @ 125°C)													
301200101684*D	TAJA684*020C0A [^]	A	0.68	20	0.5	4	12	79	71	32	949	854	379
301200101105*D	TAJA105*020C0A [^]	A	1.0	20	0.5	4	9	91	82	37	822	739	329
301200101155*D	TAJA155*020C0A [^]	A	1.5	20	0.5	6	6.5	107	97	43	698	628	279
301200102225*D	TAJB225*020C0A [^]	B	2.2	20	0.5	6	3.5	156	140	62	545	491	218
301200102335*D	TAJB335*020C0A [^]	B	3.3	20	0.7	6	3	168	151	67	505	454	202
301200102475*D	TAJB475*020C0A [^]	B	4.7	20	0.9	6	3	168	151	67	505	454	202
301200113475*D	TAJC475*020C0A [^]	C	4.7	20	0.9	6	2.8	198	178	79	555	499	222
301200113685*D	TAJC685*020C0A [^]	C	6.8	20	1.4	6	2	235	211	94	469	422	188
301200113106*D	TAJC106*020C0A [^]	C	10	20	2	6	1.2	303	272	121	363	327	145
301200113156*D	TAJC156*020C0A [^]	C	15	20	3	6	1.7	254	229	102	432	389	173
301200114156*D	TAJD156*020C0A [^]	D	15	20	3	6	1.1	369	332	148	406	366	162
301200114226*D	TAJD226*020C0A [^]	D	22	20	4.4	6	0.9	408	367	163	367	331	147
301200114336*D	TAJD336*020C0A [^]	D	33	20	6.6	6	0.9	408	367	163	367	331	147
301200117476*D	TAJE476*020C0A [^]	E	47	20	9.4	6	0.9	428	385	171	385	347	154
301200117686*D	TAJE686*020C0A [^]	E	68	20	13.6	6	0.9	428	385	171	385	347	154
25 Volt @ 85°C (17 Volt @ 125°C)													
301200101474*E	TAJA474*025C0A [^]	A	0.47	25	0.5	4	14	73	66	29	1025	922	410
301200101684*E	TAJA684*025C0A [^]	A	0.68	25	0.5	4	10	87	78	35	866	779	346
301200101105*E	TAJA105*025C0A [^]	A	1.0	25	0.5	4	8	97	87	39	775	697	310
301200102155*E	TAJB155*025C0A [^]	B	1.5	25	0.5	6	5	130	117	52	652	587	261
301200102225*E	TAJB225*025C0A [^]	B	2.2	25	0.6	6	4.5	137	124	55	618	557	247
301200102335*E	TAJB335*025C0A [^]	B	3.3	25	0.8	6	3.5	156	140	62	545	491	218
301200113335*E	TAJC335*025C0A [^]	C	3.3	25	0.8	6	2.8	198	178	79	555	499	222
301200113475*E	TAJC475*025C0A [^]	C	4.7	25	1.2	6	2.4	214	193	86	514	462	206
301200113685*E	TAJC685*025C0A [^]	C	6.8	25	1.7	6	2	235	211	94	469	422	188
301200114685*E	TAJD685*025C0A [^]	D	6.8	25	1.7	6	1.4	327	295	131	458	412	183
301200113106*E	TAJC106*025C0A [^]	C	10	25	2.5	6	1.8	247	222	99	445	400	178
301200114106*E	TAJD106*025C0A [^]	D	10	25	2.5	6	1.2	354	318	141	424	382	170
301200114156*E	TAJD156*025C0A [^]	D	15	25	3.8	6	1	387	349	155	387	349	155
301200114226*E	TAJD226*025C0A [^]	D	22	25	5.5	6	0.9	408	367	163	367	331	147
301200117336*E	TAJE336*025C0A [^]	E	33	25	8.3	6	0.9	428	385	171	385	347	154
35 Volt @ 85°C (23 Volt @ 125°C)													
301200101104*V	TAJA104*035C0A [^]	A	0.10	35	0.5	4	24	56	50	22	1342	1207	537
301200101154*V	TAJA154*035C0A [^]	A	0.15	35	0.5	4	21	60	54	24	1255	1129	502
301200101224*V	TAJA224*035C0A [^]	A	0.22	35	0.5	4	18	65	58	26	1162	1046	465
301200101334*V	TAJA334*035C0A [^]	A	0.33	35	0.5	4	15	71	64	28	1061	955	424
301200101474*V	TAJA474*035C0A [^]	A	0.47	35	0.5	4	12	79	71	32	949	854	379
301200102474*V	TAJB474*035C0A [^]	B	0.47	35	0.5	4	10	92	83	37	922	830	369
301200101684*V	TAJA684*035C0A [^]	A	0.68	35	0.5	4	8	97	87	39	775	697	310
301200102684*V	TAJB684*035C0A [^]	B	0.68	35	0.5	4	8	103	93	41	825	742	330
301200102105*V	TAJB105*035C0A [^]	B	1.0	35	0.5	4	6.5	114	103	46	743	669	297
301200102155*V	TAJB155*035C0A [^]	B	1.5	35	0.5	6	5.2	128	115	51	665	598	266
301200113155*V	TAJC155*035C0A [^]	C	1.5	35	0.5	6	4.5	156	141	63	704	633	281
301200102225*V	TAJB225*035C0A [^]	B	2.2	35	0.8	6	4.2	142	128	57	597	538	239
301200113225*V	TAJC225*035C0A [^]	C	2.2	35	0.8	6	3.5	177	160	71	620	558	248
301200113335*V	TAJC335*035C0A [^]	C	3.3	35	1.2	6	2.5	210	189	84	524	472	210
301200113475*V	TAJC475*035C0A [^]	C	4.7	35	1.6	6	2.2	224	201	89	492	443	197
301200114475*V	TAJD475*035C0A [^]	D	4.7	35	1.6	6	1.5	316	285	126	474	427	190
301200114685*V	TAJD685*035C0A [^]	D	6.8	35	2.4	6	1.3	340	306	136	442	397	177
301200114106*V	TAJD106*035C0A [^]	D	10	35	3.5	6	1	387	349	155	387	349	155
301200114156*V	TAJD156*035C0A [^]	D	15	35	5.3	6	0.9	408	367	163	367	331	147
301200117226*V	TAJE226*035C0A [^]	E	22	35	7.7	6	0.5	574	517	230	287	259	115

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.
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TAJ ESCC TANTALUM CAPACITORS

SMD Solid Tantalum Chip Capacitors



RATINGS & PART NUMBER REFERENCE, Issue 7

ESCC Part No.	AVX Part No.	Case Size	Capacitance (μF)	Rated Voltage (V)	DCL Max. (μA)	DF Max. (%)	ESR Max. @100kHz (Ω)	100kHz Ripple Current (mA) Ratings			100kHz Ripple Voltage (mV) Ratings		
								25°C	85°C	125°C	25°C	85°C	125°C
50 Volt @ 85°C (33 Volt @ 125°C)													
301200101104*T	TAJA104*050□C0A^	A	0.10	50	0.5	4	22	58	53	23	1285	1156	514
301200102154*T	TAJB154*050□C0A^	B	0.15	50	0.5	4	17	71	64	28	1202	1082	481
301200102224*T	TAJB224*050□C0A^	B	0.22	50	0.5	4	14	78	70	31	1091	982	436
301200102334*T	TAJB334*050□C0A^	B	0.33	50	0.5	4	12	84	76	34	1010	909	404
301200113474*T	TAJC474*050□C0A^	C	0.47	50	0.5	4	8	117	106	47	938	844	375
301200113684*T	TAJC684*050□C0A^	C	0.68	50	0.5	4	7	125	113	50	877	790	351
301200113105*T	TAJC105*050□C0A^	C	1.0	50	0.5	4	5.5	141	127	57	778	700	311
301200114155*T	TAJD155*050□C0A^	D	1.5	50	0.8	6	4	194	174	77	775	697	310
301200114225*T	TAJD225*050□C0A^	D	2.2	50	1.1	6	2.5	245	220	98	612	551	245
301200114335*T	TAJD335*050□C0A^	D	3.3	50	1.7	6	2	274	246	110	548	493	219
301200114475*T	TAJD475*050□C0A^	D	4.7	50	2.4	6	1.4	327	295	131	458	412	183
301200114685*T	TAJD685*050□C0A^	D	6.8	50	3.4	6	1	387	349	155	387	349	155
301200117106*T	TAJE106*050□C0A^	E	10	50	5	6	0.8	454	409	182	363	327	145

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.
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Kyocera AVX:

<u>TAJE476K020ESA</u>	<u>TAJD475K050ESA</u>	<u>TAJB106K010ESA</u>	<u>TAJC106K025ESA</u>	<u>TAJD106K025ESA</u>
<u>TAJC106K016ESA</u>	<u>TAJD156K035ESA</u>	<u>TAJE227K010ESA</u>	<u>TAJE686K020ESA</u>	<u>TAJB475K016ESA</u>
<u>TAJA225K006ESA</u>	<u>TAJA335K006ESA</u>	<u>TAJA475K006ESA</u>	<u>TAJD335K050ESA</u>	<u>TAJD336K016ESA</u>
<u>TAJE107K016ESA</u>	<u>TAJE157K010ESA</u>	<u>TAJE226K035ESA</u>	<u>TAJE227K006ESA</u>	<u>TAJC336K010ESA</u>
<u>TAJA105K016ESA</u>	<u>TAJB105K035ESA</u>	<u>TAJB155K035ESA</u>	<u>TAJB225K035ESA</u>	<u>TAJC476K006ESA</u>
<u>TAJC226K016ESA</u>				