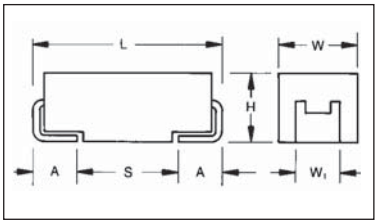
TRJ Series

Professional Tantalum Chip Capacitor



The TRJ surface mount series employs established Tantalum technology together with new process improvements and advanced manufacturing techniques. This robust series enables extension of the guaranteed 0.5% reliability level to 1000 hours at rated voltage, rated temperature and 0.1Ω/volt circuit impedance. The moisture penetration barrier, thicker external dielectric layer and modified manganising process make the capacitor more robust against higher thermo-mechanical stresses during assembly process ("lead-free" soldering) and also more robust against more severe working conditions in Automotive, Medical, Aerospace, Military and other applications. The temperature range is -55°C to 125°C and voltage range is 6.3V to 50V.

These components do not contain any lead either in the internal structure or in the termination plating. They are compatible with all SnPb and "lead-free" solders and are qualified for higher reflow temperature necessary for new lead-free assembly process. Lower ESR options are now available within the professional TRJ while achieving reliability levels twice that of standard tantalum devices. This enables designers of power supplies in long life expectancy applications to use tantalum capacitors with the combined benefits of enhanced reliability (0.5%/1000hrs) and low ESR.



For part marking see page 175

CASE DIMENSIONS: millimeters (inches)

Code	EIA Code	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	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	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	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	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	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.

HOW TO ORDER

TRJ — **Type**

B — **Case Size**
See table above

105 — **Capacitor Code**
pF code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow)

***** — **Tolerance**
K=±10%
M=±20%

035 — **Rated DC Voltage**
006 = 6.3V
010 = 10V
016 = 16V
020 = 20V
025 = 25V
035 = 35V
050 = 50V

R — **Packaging/ Termination Plating**
R = 7" T/R Lead Free
S = 13" T/R Lead Free
A = Gold Plating 7" Reel
B = Gold Plating 13" Reel
H = Tin Lead 7" Reel
K = Tin Lead 13" Reel

RJ — **Additional characters may be added for special requirements**

0100 — **Maximum ESR in milliohms**

TECHNICAL SPECIFICATIONS

Technical Data:		All technical data relate to an ambient temperature of +25°C						
Capacitance Range:		0.1 µF to 470 µF						
Capacitance Tolerance:		±10%; ±20%						
Leakage Current DCL:		0.0075CV						
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						
Reliability:		0.5% per 1000 hours at 85°C, V_R with 0.1Ω/V series impedance, 60% confidence level						
Termination Plating:		Sn Plating (standard), Gold and SnPb Plating upon request						
		Meets requirements of AEC-Q200						

CAPACITANCE AND RATED VOLTAGE, V_R (VOLTAGE CODE) 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						A	
0.15	154						A, A(6000)	
0.22	224						A, A(6000)	A, A(7000)
0.33	334						A, A(6000)	A
0.47	474					A, A(7000)	A, A(4000)	B
0.68	684					A, A(6000)	A, A(6000)	B, B(2000)
1.0	105				A, A(3000)	A, A(3000)	A, B, A(3000), B(2000)	C, B, B(2000)
1.5	155				A, A(3000)	A, A(3000)	A, B A(2000), B(2500)	C, C(1500)
2.2	225			A, A(3500)	A, A(3000)	A, B, A(1600), B(1200)	B, B(2000)	C, C(1000)
3.3	335			A, A(3500)	A, B, A(2500), B(1300	B, B(2000)	B, C, B(1000), C(800))	C, D, C(1000), D(800)
4.7	475		A, A(2000)	A, B, A(2000), B(1500)	A, B, A(1800), B(1000)	B, B(1000)	B, C, B(1500), C(600)	D, D(600)
6.8	685		A, A(1800)	A, B, A(1500), B(1200)	B, B(1000)	B, C, B(1000), C(600)	C, C(600)	D, D(700)
10	106	A, A(1500)	A, B, A(1800), B(800)	B, B(800)	B, C, B(1000), C(500)	C, C(600)	C, D, C(600), D(400)	E, E(400)
15	156	A, B, A(1500), B(700)	A, B, A(1000), B(600)	B, B(800)	B, C, B(500), C(400)	C, D, C(500), D(300)	D, D(350)	
22	226	A, B, A(900), B(600)	B, B(700)	B, C, B(600), C(350)	C, D, C(400), D(300	D, D(300)	D, D(400)	
33	336	B, B(600)	B, C, B(650), C(300)	C, C(300)	C, D, C(300), D(250)	D, D(400)	E, E(250)	
47	476	B, C, B(500), C(250)	C, C(300)	C, D, C(350), D(200)	D, D(200)	E, E(150)		
68	686	C, C(200)	C, C(300)	D, D(150)	D, E, D(200), E(200)			
100	107	C, C(300)	C, D, C(200), D(150)	D, E, D(150), E(150)	E, E(150)			
150	157	C, D, C(300), D(150)	D, E, D(150), E(150)	E, E(150)				
220	227	D, D(150)	D, E, E(150)					
330	337	E, E(150)	E, E(100)					
470	477	E, E(200)						

ESR limits quoted in brackets (milliohms)
Note: The EIA & CECC standards for low ESR Solid Tantalum Capacitors allow an ESR movement to 1.25 times catalogue limit post mounting.

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

TRJ Series

Professional Tantalum Chip Capacitor

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	DCL (µA) Max.	DF % Max.	ESR Max. (mΩ) @100kHz	100kHz Ripple Current Ratings (mA)			100kHz Ripple Voltage Ratings (mV)		
							25ºC	85ºC	125ºC	25ºC	85ºC	125ºC
TRJA106*006#	A	10	6.3	0.45	6	2200	185	166	74	406	366	162
TRJA106*006#1500	A	10	6.3	0.45	6	1500	224	201	89	335	302	134
TRJA156*006#	A	15	6.3	0.68	6	2030	192	173	77	390	351	156
TRJA156*006#1500	A	15	6.3	0.68	6	1500	224	201	89	335	302	134
TRJB156*006#	B	15	6.3	0.68	6	2030	205	184	82	415	374	166
TRJB156*006#0700	B	15	6.3	0.68	6	700	348	314	139	244	220	98
TRJA226*006#	A	22	6.3	0.99	6	1700	210	189	84	357	321	143
TRJA226*006#0900	A	22	6.3	0.99	6	900	289	260	115	260	234	104
TRJB226*006#	B	22	6.3	0.99	6	1880	213	191	85	400	360	160
TRJB226*006#0600	B	22	6.3	0.99	6	600	376	339	151	226	203	90
TRJB336*006#	B	33	6.3	1.5	6	1740	221	199	88	385	346	154
TRJB336*006#0600	B	33	6.3	1.5	6	600	376	339	151	226	203	90
TRJB476*006#	B	47	6.3	2.1	6	1620	229	206	92	371	334	148
TRJB476*006#0500	B	47	6.3	2.1	6	500	412	371	165	206	186	82
TRJC476*006#	C	47	6.3	2.1	6	540	451	406	181	244	219	97
TRJC476*006#0250	C	47	6.3	2.1	6	250	663	597	265	166	149	66
TRJC686*006#	C	68	6.3	3.1	6	490	474	426	190	232	209	93
TRJC686*006#0200	C	68	6.3	3.1	6	200	742	667	297	148	133	59
TRJC107*006#	C	100	6.3	4.5	6	440	500	450	200	220	198	88
TRJC107*006#0300	C	100	6.3	4.5	6	300	606	545	242	182	163	73
TRJC157*006#	C	150	6.3	6.8	8	500	469	422	188	235	211	94
TRJC157*006#0300	C	150	6.3	6.8	8	300	606	545	242	182	163	73
TRJD157*006#	D	150	6.3	6.8	6	400	612	551	245	245	220	98
TRJD157*006#0150	D	150	6.3	6.8	6	150	1000	900	400	150	135	60
TRJD227*006#	D	220	6.3	9.9	8	360	645	581	258	232	209	93
TRJD227*006#0150	D	220	6.3	9.9	8	150	1000	900	400	150	135	60
TRJE337*006#	E	330	6.3	14	8	330	707	636	283	233	210	93
TRJE337*006#0150	E	330	6.3	14	8	150	1049	944	420	157	142	63
TRJE477*006#	E	470	6.3	21	8	250	812	731	325	203	183	81
TRJE477*006#0200	E	470	6.3	21	8	200	908	817	363	182	163	73
TRJA475*010#	A	4.7	10	0.35	6	3160	154	139	62	487	438	195
TRJA475*010#2000	A	4.7	10	0.35	6	2000	194	174	77	387	349	155
TRJA685*010#	A	6.8	10	0.51	6	2650	168	151	67	446	401	178
TRJA685*010#1800	A	6.8	10	0.51	6	1800	204	184	82	367	331	147
TRJA106*010#	A	10	10	0.75	6	2200	185	166	74	406	366	162
TRJA106*010#1800	A	10	10	0.75	6	1800	204	184	82	367	331	147
TRJB106*010#	B	10	10	0.75	6	2200	197	177	79	432	389	173
TRJB106*010#0800	B	10	10	0.75	6	800	326	293	130	261	235	104
TRJA156*010#	A	15	10	1.10	6	1800	204	184	82	367	331	147
TRJA156*010#1000	A	15	10	1.10	6	1000	274	246	110	274	246	110
TRJB156*010#	B	15	10	1.1	6	2030	205	184	82	415	374	166
TRJB156*010#0600	B	15	10	1.1	6	600	376	339	151	226	203	90
TRJB226*010#	B	22	10	1.7	6	1880	213	191	85	400	360	160
TRJB226*010#0700	B	22	10	1.7	6	700	348	314	139	244	220	98
TRJB336*010#	B	33	10	2.5	6	1000	292	262	117	292	262	117
TRJB336*010#0650	B	33	10	2.5	6	650	362	325	145	235	212	94
TRJC336*010#	C	33	10	2.5	6	590	432	389	173	255	229	102
TRJC336*010#0300	C	33	10	2.5	6	300	606	545	242	182	163	73
TRJC476*010#	C	47	10	3.5	6	540	451	406	181	244	219	97
TRJC476*010#0300	C	47	10	3.5	6	300	606	545	242	182	163	73
TRJC686*010#	C	68	10	5.1	6	490	474	426	190	232	209	93
TRJC686*010#0300	C	68	10	5.1	6	300	606	545	242	182	163	73
TRJC107*010#	C	100	10	7.5	8	500	469	422	188	235	211	94
TRJC107*010#0200	C	100	10	7.5	8	200	742	667	297	148	133	59
TRJD107*010#	D	100	10	7.5	6	440	584	525	234	257	231	103
TRJD107*010#0150	D	100	10	7.5	6	150	1000	900	400	150	135	60
TRJD157*010#	D	150	10	11	8	400	612	551	245	245	220	98
TRJD157*010#0150	D	150	10	11	8	150	1000	900	400	150	135	60
TRJE157*010#	E	150	10	11	8	400	642	578	257	257	231	103
TRJE157*010#0150	E	150	10	11	8	150	1049	944	420	157	142	63
TRJE227*010#	E	220	10	17	8	360	677	609	271	244	219	97
TRJE227*010#0150	E	220	10	17	8	150	1049	944	420	157	142	63
TRJE337*010#	E	330	10	25	8	300	742	667	297	222	200	89
TRJE337*010#	E	330	10	25	8	100	1285	1156	514	128	116	51
TRJA225*016#	A	2.2	16	0.30	6	4550	128	116	51	584	526	234
TRJA225*016#3500	A	2.2	16	0.30	6	3500	146	132	59	512	461	205
TRJA335*016#	A	3.3	16	0.40	6	3740	142	127	57	530	477	212

* Insert K for ±10% and M for ±20% Capacitance Tolerance
\# Termination finished and packaging reel size.

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.

TRJ Series

Professional Tantalum Chip Capacitor

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	DCL (µA) Max.	DF % Max.	ESR Max. (mΩ) @100kHz	100kHz Ripple Current Ratings (A)			100kHz Ripple Voltage Ratings (V)		
							25ºC	85ºC	125ºC	25ºC	85ºC	125ºC
TRJA335*016#3500	A	3.3	16	0.40	6	3500	146	132	59	512	461	205
TRJA475*016#	A	4.7	16	0.56	6	3160	154	139	62	487	438	195
TRJA475*016#2000	A	4.7	16	0.56	6	2000	194	174	77	387	349	155
TRJB475*016#	B	4.7	16	0.56	6	3160	164	148	66	518	466	207
TRJB475*016#1500	B	4.7	16	0.56	6	1500	238	214	95	357	321	143
TRJA685*016#	A	6.8	16	0.82	4	2000	194	174	77	387	349	155
TRJA685*016#1500	A	6.8	16	0.82	4	1500	224	201	89	335	302	134
TRJB685*016#	B	6.8	16	0.82	6	2650	179	161	72	475	427	190
TRJB685*016#1200	B	6.8	16	0.82	6	1200	266	240	106	319	287	128
TRJB106*016#	B	10	16	1.2	6	2200	197	177	79	432	389	173
TRJB106*016#0800	B	10	16	1.2	6	800	326	293	130	261	235	104
TRJB156*016#	B	15	16	1.8	6	2030	205	184	82	415	374	166
TRJB156*016#0800	B	15	16	1.8	6	800	326	293	130	261	235	104
TRJB226*016#	B	22	16	2.6	6	1100	278	250	111	306	275	122
TRJB226*016#0600	B	22	16	2.6	6	600	376	339	151	226	203	90
TRJC226*016#	C	22	16	2.6	6	700	396	357	159	277	250	111
TRJC226*016#0350	C	22	16	2.6	6	350	561	505	224	196	177	78
TRJC336*016#	C	33	16	4.0	6	590	432	389	173	255	229	102
TRJC336*016#0300	C	33	16	4.0	6	300	606	545	242	182	163	73
TRJC476*016#	C	47	16	5.6	6	540	451	406	181	244	219	97
TRJC476*016#0350	C	47	16	5.6	6	350	561	505	224	196	177	78
TRJD476*016#	D	47	16	5.6	6	540	527	474	211	285	256	114
TRJD476*016#0200	D	47	16	5.6	6	200	866	779	346	173	156	69
TRJD686*016#	D	68	16	8.2	6	490	553	498	221	271	244	108
TRJD686*016#0150	D	68	16	8.2	6	150	1000	900	400	150	135	60
TRJD107*016#	D	100	16	12	6	440	584	525	234	257	231	103
TRJD107*016#0150	D	100	16	12	6	150	1000	900	400	150	135	60
TRJE107*016#	E	100	16	12	6	440	612	551	245	269	242	108
TRJE107*016#0150	E	100	16	12	6	150	1049	944	420	157	142	63
TRJE157*016#	E	150	16	16	6	300	742	667	297	222	200	89
TRJE157*016#0150	E	150	16	16	6	150	1049	944	420	157	142	63
TRJA105*020#	A	1	20	0.30	4	6630	106	96	43	705	635	282
TRJA105*020#3000	A	1	20	0.30	4	3000	158	142	63	474	427	190
TRJA155*020#	A	1.5	20	0.30	6	5460	117	105	47	640	576	256
TRJA155*020#3000	A	1.5	20	0.30	6	3000	158	142	63	474	427	190
TRJA225*020#	A	2.2	20	0.33	6	4550	128	116	51	584	526	234
TRJA225*020#3000	A	2.2	20	0.33	6	3000	158	142	63	474	427	190
TRJA335*020#	A	3.3	20	0.50	6	3740	142	127	57	530	477	212
TRJA335*020#3500	A	3.3	20	0.50	6	3500	146	132	59	512	461	205
TRJB335*020#	B	3.3	20	0.50	6	3740	151	136	60	564	507	226
TRJB335*020#1300	B	3.3	20	0.50	6	1300	256	230	102	332	299	133
TRJA475*020#	A	4.7	20	0.71	5	2500	184	166	74	461	415	184
TRJA475*020#1800	A	4.7	20	0.71	5	1800	217	196	87	391	352	156
TRJB475*020#	B	4.7	20	0.71	6	3160	164	148	66	518	466	207
TRJB475*020#1000	B	4.7	20	0.71	6	1000	292	262	117	292	262	117
TRJB685*020#	B	6.8	20	1.0	6	2650	179	161	72	475	427	190
TRJB685*020#1000	B	6.8	20	1.0	6	1000	292	262	117	292	262	117
TRJB106*020#	B	10	20	1.5	6	2200	197	177	79	432	389	173
TRJB106*020#1000	B	10	20	1.5	6	1000	292	262	117	292	262	117
TRJC106*020#	C	10	20	1.5	6	800	371	334	148	297	267	119
TRJC106*020#0500	C	10	20	1.5	6	500	469	422	188	235	211	94
TRJB156*020#	B	15	20	2.3	6	1400	280	252	112	392	353	157
TRJB156*020#0500	B	15	20	2.3	6	500	469	422	188	235	211	94
TRJC156*020#	C	15	20	2.3	6	720	391	352	156	281	253	113
TRJC156*020#0400	C	15	20	2.3	6	400	524	472	210	210	189	84
TRJC226*020#	C	22	20	3.3	6	650	411	370	165	267	241	107
TRJC226*020#0400	C	22	20	3.3	6	400	524	472	210	210	189	84
TRJD226*020#	D	22	20	3.3	6	650	480	432	192	312	281	125
TRJD226*020#0300	D	22	20	3.3	6	300	707	636	283	212	191	85
TRJC336*020#	C	33	20	5.0	6	590	432	389	173	255	229	102
TRJC336*020#0300	C	33	20	5.0	6	300	606	545	242	182	163	73
TRJD336*020#	D	33	20	5.0	6	590	504	454	202	297	268	119
TRJD336*020#0250	D	33	20	5.0	6	250	775	697	310	194	174	77
TRJD476*020#	D	47	20	7.1	6	540	527	474	211	285	256	114
TRJD476*020#0200	D	47	20	7.1	6	200	866	779	346	173	156	69
TRJD686*020#	D	68	20	10	6	490	553	498	221	271	244	108
TRJD686*020#0200	D	68	20	10	6	200	866	779	346	173	156	69

* Insert K for ±10% and M for ±20% Capacitance Tolerance
\# Termination finished and packaging reel size.

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.

TRJ Series

Professional Tantalum Chip Capacitor

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	DCL (µA) Max.	DF % Max.	ESR Max. (mΩ) @100kHz	100kHz Ripple Current Ratings (A)			100kHz Ripple Voltage Ratings (V)		
							25ºC	85ºC	125ºC	25ºC	85ºC	125ºC
TRJE686*020#	E	68	20	10	6	490	580	522	232	284	256	114
TRJE686*020#0200	E	68	20	10	6	200	908	817	363	182	163	73
TRJE107*020#	E	100	20	15	6	300	742	667	297	222	200	89
TRJE107*020#0150	E	100	20	15	6	150	1049	944	420	157	142	63
TRJA474*025#	A	0.47	25	0.30	4	9530	89	80	35	845	761	338
TRJA474*025#7000	A	0.47	25	0.30	4	7000	104	93	41	725	652	290
TRJA684*025#	A	0.68	25	0.30	4	7980	97	87	39	774	696	309
TRJA684*025#6000	A	0.68	25	0.30	4	6000	112	101	45	671	604	268
TRJA105*025#	A	1	25	0.30	4	6630	106	96	43	705	635	282
TRJA105*025#3000	A	1	25	0.30	4	3000	158	142	63	474	427	190
TRJA155*025#	A	1.5	25	0.30	6	5460	117	105	47	640	576	256
TRJA155*025#3000	A	1.5	25	0.30	6	3000	158	142	63	474	427	190
TRJA225*025#	A	2.2	25	0.41	6	2900	161	145	64	466	420	187
TRJA225*025#1600	A	2.2	25	0.41	6	1600	217	195	87	346	312	139
TRJB225*025#	B	2.2	25	0.41	6	4550	137	123	55	622	560	249
TRJB225*025#1200	B	2.2	25	0.41	6	1200	266	240	106	319	287	128
TRJB335*025#	B	3.3	25	0.62	6	3740	151	136	60	564	507	226
TRJB335*025#2000	B	3.3	25	0.62	6	2000	206	186	82	412	371	165
TRJB475*025#	B	4.7	25	0.88	6	3160	164	148	66	518	466	207
TRJB475*025#1000	B	4.7	25	0.88	6	1000	292	262	117	292	262	117
TRJB685*025#	B	6.8	25	1.30	6	1500	238	214	95	357	321	143
TRJB685*025#1000	B	6.8	25	1.30	6	1000	292	262	117	292	262	117
TRJC685*025#	C	6.8	25	1.3	6	1070	321	289	128	343	309	137
TRJC685*025#0600	C	6.8	25	1.3	6	600	428	385	171	257	231	103
TRJC106*025#	C	10	25	1.9	6	800	371	334	148	297	267	119
TRJC106*025#0600	C	10	25	1.9	6	600	428	385	171	257	231	103
TRJC156*025#	C	15	25	2.8	6	720	391	352	156	281	253	113
TRJC156*025#0500	C	15	25	2.8	6	500	469	422	188	235	211	94
TRJD156*025#	D	15	25	2.8	6	720	456	411	183	329	296	131
TRJD156*025#0300	D	15	25	2.8	6	300	707	636	283	212	191	85
TRJD226*025#	D	22	25	4.1	6	650	480	432	192	312	281	125
TRJD226*025#0300	D	22	25	4.1	6	300	707	636	283	212	191	85
TRJD336*025#	D	33	25	6.2	6	590	504	454	202	297	268	119
TRJD336*025#0400	D	33	25	6.2	6	400	612	551	245	245	220	98
TRJE476*025#	E	47	25	8.8	6	540	553	497	221	298	269	119
TRJE476*025#0150	E	47	25	8.8	6	150	1049	944	420	157	142	63
TRJA104*035#	A	0.1	35	0.30	4	20000	61	55	24	1225	1102	490
TRJA154*035#	A	0.15	35	0.30	4	16470	67	61	27	1111	1000	445
TRJA154*035#6000	A	0.15	35	0.30	4	6000	112	101	45	671	604	268
TRJA224*035#	A	0.22	35	0.30	4	13710	74	67	30	1014	913	406
TRJA224*035#6000	A	0.22	35	0.30	4	6000	112	101	45	671	604	268
TRJA334*035#	A	0.33	35	0.30	4	11280	82	73	33	920	828	368
TRJA334*035#6000	A	0.33	35	0.30	4	6000	112	101	45	671	604	268
TRJA474*035#	A	0.47	35	0.30	4	9530	89	80	35	845	761	338
TRJA474*035#4000	A	0.47	35	0.30	4	4000	137	123	55	548	493	219
TRJA684*035#	A	0.68	35	0.30	4	7980	97	87	39	774	696	309
TRJA684*035#6000	A	0.68	35	0.30	4	6000	112	101	45	671	604	268
TRJA105*035#	A	1	35	0.30	4	6630	106	96	43	705	635	282
TRJA105*035#3000	A	1	35	0.30	4	3000	158	142	63	474	427	190
TRJB105*035#	B	1	35	0.30	4	3400	158	142	63	538	484	215
TRJB105*035#2000	B	1	35	0.30	4	2000	206	186	82	412	371	165
TRJA155*035#	A	1.5	35	0.39	6	3100	166	149	66	513	462	205
TRJA155*035#2000	A	1.5	35	0.39	6	2000	206	186	82	412	371	165
TRJB155*035#	B	1.5	35	0.39	6	5460	125	112	50	681	613	272
TRJB155*035#2500	B	1.5	35	0.39	6	2500	184	166	74	461	415	184
TRJB225*035#	B	2.2	35	0.58	6	4550	137	123	55	622	560	249
TRJB225*035#2000	B	2.2	35	0.58	6	2000	206	186	82	412	371	165
TRJB335*035#	B	3.3	35	0.87	6	3740	151	136	60	564	507	226
TRJB335*035#1000	B	3.3	35	0.87	6	1000	292	262	117	292	262	117
TRJC335*035#	C	3.3	35	0.87	6	1840	245	220	98	450	405	180
TRJC335*035#0800	C	3.3	35	0.87	6	800	371	334	148	297	267	119
TRJB475*035#	B	4.7	35	1.20	6	2200	224	201	89	492	443	197
TRJB475*035#1500	B	4.7	35	1.20	6	1500	271	244	108	406	366	162
TRJC475*035#	C	4.7	35	1.2	6	1410	279	251	112	394	354	158
TRJC475*035#0600	C	4.7	35	1.2	6	600	428	385	171	257	231	103
TRJC685*035#	C	6.8	35	1.8	6	1070	321	289	128	343	309	137
TRJC685*035#0600	C	6.8	35	1.8	6	600	428	385	171	257	231	103

* Insert K for ±10% and M for ±20% Capacitance Tolerance
\# Termination finished and packaging reel size.

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.

TRJ Series

Professional Tantalum Chip Capacitor

RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	DCL (µA) Max.	DF % Max.	ESR Max. (mΩ) @100kHz	100kHz Ripple Current Ratings (A)			100kHz Ripple Voltage Ratings (V)		
							25ºC	85ºC	125ºC	25ºC	85ºC	125ºC
TRJC106*035#	C	10	35	2.6	6	800	371	334	148	297	267	119
TRJC106*035#0600	C	10	35	2.6	6	600	428	385	171	257	231	103
TRJD106*035#	D	10	35	2.6	6	800	433	390	173	346	312	139
TRJD106*035#0400	D	10	35	2.6	6	400	612	551	245	245	220	98
TRJD156*035#	D	15	35	3.9	6	720	456	411	183	329	296	131
TRJD156*035#0350	D	15	35	3.9	6	350	655	589	262	229	206	92
TRJD226*035#	D	22	35	5.8	6	650	480	432	192	312	281	125
TRJD226*035#0400	D	22	35	5.8	6	400	612	551	245	245	220	98
TRJE336*035#	E	33	35	8.7	6	590	529	476	212	312	281	125
TRJE336*035#0250	E	33	35	8.7	6	250	812	731	325	203	183	81
TRJA224*050#	A	0.22	50	0.3	4	7500	100	90	40	750	675	300
TRJA224*050#7000	A	0.22	50	0.3	4	7000	104	93	41	725	652	290
TRJA334*050#	A	0.33	50	0.3	4	7000	104	93	41	725	652	290
TRJB474*050#	B	0.47	50	0.3	4	5000	130	117	52	652	587	261
TRJB684*050#	B	0.68	50	0.3	4	4000	146	131	58	583	525	233
TRJB684*050#2000	B	0.68	50	0.3	4	2000	206	186	82	412	371	165
TRJB105*050#	B	1	50	0.4	4	3400	158	142	63	538	484	215
TRJB105*050#2000	B	1	50	0.4	4	2000	206	186	82	412	371	165
TRJC105*050#	C	1	50	0.4	4	3000	191	172	77	574	517	230
TRJC155*050#	C	1.5	50	0.6	6	2500	210	189	84	524	472	210
TRJC155*050#1500	C	1.5	50	0.6	6	1500	271	244	108	406	366	162
TRJC225*050#	C	2.2	50	0.8	6	1700	254	229	102	432	389	173
TRJC225*050#1000	C	2.2	50	0.8	6	1000	332	298	133	332	298	133
TRJC335*050#	C	3.3	50	1.2	6	1400	280	252	112	392	353	157
TRJC335*050#1000	C	3.3	50	1.2	6	1000	332	298	133	332	298	133
TRJD335*050#	D	3.3	50	1.20	4.5	1100	369	332	148	406	366	162
TRJD335*050#0800	D	3.3	50	1.20	4.5	800	433	390	173	346	312	139
TRJD475*050#	D	4.7	50	1.80	4.5	900	408	367	163	367	331	147
TRJD475*050#0600	D	4.7	50	1.80	4.5	600	500	450	200	300	270	120
TRJD685*050#	D	6.8	50	2.60	4.5	700	463	417	185	324	292	130
TRJE106*050#	E	10	50	3.80	4.5	700	486	437	194	340	306	136
TRJE106*050#0400	E	10	50	3.80	4.5	400	642	578	257	257	231	103

* Insert K for ±10% and M for ±20% Capacitance Tolerance
\# Termination finished and packaging reel size.

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.