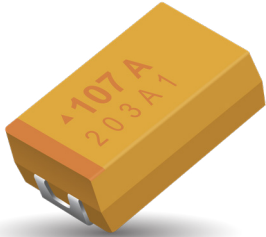


TBJ SERIES

COTS-Plus – SRC9000 Space Level



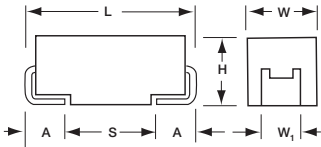
The TBJ COTS-Plus – SRC9000 series has been refined to incorporate only those commercially upscreened ratings which have been deemed suitable for mission critical and space level applications.

These capacitors have a more conservative design approach when compared to other up-screened components utilizing established CV powders and higher dielectric formation ratios. The DCL is typically 25% lower while still offering aggressive ESR values.

Currently there are 6 case sizes with the wide capacitance range available in a given voltage range.

These ratings are available with Weibull grading (B and C), surge current testing MIL-PRF-55365 (A, B, C), optional Group A from MIL-PRF-55365, and the extensive SRC9000 space level screening.

For moisture sensitivity levels please refer to the High Reliability Tantalum MSL section located in the back of the High Reliability Tantalum Catalog.



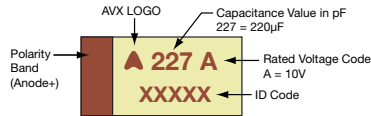
CASE DIMENSIONS: millimeters (inches)

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 (0.122)	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, V CASE



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

Capacitance		Rated Voltage DC (V _R) at 85°C						
μF	Code	6V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)
0.10	104						A(20000)	
0.15	154						A(6000, 16470)	
0.22	224						A(6000, 13710)	A(7000, 7500)
0.33	334						A(6000, 11280)	A(7000)
0.47	474					A(7000, 9530)	A(4000, 9530)	B(5000)
0.68	684					A(6000, 7980)	A(6000, 8000)	B(2000, 4000)
1.0	105			A(10000)	A(3000, 6630)	A(3000, 6630)	A(3000, 6630) B(2000, 3400)	B(2000, 3400) C(3000)
1.5	155		A(7000)		A(3000, 5640)	A(3000, 5640) B(5000)	A(2000, 3100) B(2500, 5460)	C(1500, 2500)
2.2	225		A(7000)	A(3500, 4550)	A(3000, 4550)	A(1600, 2900) B(1200, 4550)	B(2000, 4550)	C(1000, 1700) D(1200, 2000)
3.3	335			A(3500, 3750) B(4500)	A(2500, 3750) B(1300, 3740)	B(2000, 3740)	B(1000, 3740) C(800, 1840) D(2000)	C(1000, 1400) D(800, 1100)
4.7	475		A(2000, 2900)	A(2000, 3160) B(1500, 3160)	A(1800, 2500) B(1000, 3160)	B(1000, 3160)	B(1500, 2200) C(600, 1410) D(1500)	D(600, 900)
6.8	685		A(1800, 4000) B(3000)	A(1500, 2000) B(1200, 2650) C(2500)	B(1000, 2650) C(2000)	B(1000, 1500) C(600, 1070)	C(600, 1070) D(1300)	D(700)
10	106	A(1500, 2000) B(3000)	A(1800, 2200) B(800, 2200)	B(800, 2200) C(2000)	B(1000, 2200) C(500, 800)	C(600, 800) D(1200)	C(600, 800) D(250, 800)	E(300, 700)
15	156	A(1500, 2030) B(700, 2030)	A(1000, 1800) B(600, 2030) C(2000)	B(800, 2000)	B(500, 1400) C(400, 750) D(1100)	C(500, 720) D(300, 720)	D(225, 720)	U(500)
22	226	A(900, 1700) B(600, 1880) C(2000)	B(700, 1800)	B(600, 1100) C(350, 700) D(1100)	C(400, 650) D(150, 650)	D(300, 650)	D(200, 650)	U(500)
33	336	B(600, 1740) C(1800)	B(650, 1000) C(300, 590) D(1100)	C(300, 590)	C(300, 590) D(250, 590)	D(400, 590)	E(250, 590)	
47	476	B(500, 1620) C(250, 540)	C(300, 540) D(200, 340)	C(350, 540) D(200, 340)	D(200, 540)	D(250, 540) E(150, 540)	U(200, 400)	
68	686	C(200, 490)	C(300, 490)	D(150, 490)	D(200, 490) E(125, 490)	U(500)		
100	107	C(300, 440)	C(200, 500) D(150, 440) E(100, 440)	D(150, 450) E(150, 450)	E(150, 300)	U(500)		
150	157	C(300, 500) D(150, 400)	D(150, 400) E(150, 400)	E(150, 300)	U(250, 500)			
220	227	D(150, 360)	D(500) E(150, 360)	U(200, 500)				
330	337	D(400) E(150, 330)	E(100, 300)	U(200, 400)				
470	477	E(200, 250)	U(200, 400)					
680	687	U(250, 500)						

Available Ratings: ESR limits quoted in brackets (mOhms)

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



The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

TBJ SERIES

COTS-Plus – SRC9000 Space Level

HOW TO ORDER

AVX PART NUMBER:

TBJ	D	227	*	035	R	B	S	Z	0	0	00
Type	Case Size	Capacitance Code	Capacitance Tolerance	Voltage Code	ESR	Packaging	Inspection Level	Reliability Grade	Qualification Level	Termination Finish	Surge Test Option
		pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow)	M = ±20% K = ±10%	006 = 6Vdc 010 = 10Vdc 016 = 16Vdc 020 = 20Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc	R = Std ESR J = Low ESR	B = Bulk R = 7" T&R S = 13" T&R W = Waffle	S = Std. Conformance L = Group A	Weibull: B = 0.1%/1000 hrs. 90% conf. C = 0.01%/1000 hrs. 90% conf. Z = Non-ER	0 = N/A 9 = SRC9000	H = Solder Plated 0 = Fused Solder Plated 8 = Hot Solder Dipped 9 = Gold Plated 7 = Matte Sn (COTS-Plus only)	00 = None 23 = 10 Cycles, +25°C 24 = 10 Cycles, -55°C & +85°C 45 = 10 cycles, -55°C & +85°C before Weibull

*Waffle packaging not available for the TBJ U case

*For Gold Plated Termination Finish, contact the factory for availability.



For RoHS compliant products, please select correct termination style.

SPACE LEVEL OPTIONS TO SRC9000*:

TBJ	D	227	*	035	R	B	L	C	9	0	45
Type	Case Size	Capacitance Code	Capacitance Tolerance	Voltage Code	ESR	Packaging	Inspection Level	Reliability Grade	Qualification Level	Termination Finish	Surge Test Option
		pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow)	M = ±20% K = ±10%		R = Std ESR J = Low ESR	B = Bulk R = 7" T&R S = 13" T&R W = Waffle See page 8 for additional packaging options.	L = Group A	C = 0.01%/1000 hrs. 90% conf.	9 = SRC9000	H = Solder Plated 0 = Fused Solder Plated 8 = Hot Solder Dipped 9 = Gold Plated	45 = 10 cycles, -55°C & +85°C before Weibull GC = Group C Testing and Data OR = TOR compliant testing and data

*Waffle packaging not available for the TBJ U case

*Contact factory for AVX SRC9000 Space Level SCD details.



For RoHS compliant products, please select correct termination style.

TECHNICAL SPECIFICATIONS

Technical Data:	All technical data relate to an ambient temperature of 25°C								
Capacitance Range:	0.10 µF to 680 µF								
Capacitance Tolerance:	±10%; ±20%								
Leakage Current DCL:	0.0075CV								
Rated Voltage (V _R)	≤ 85°C:	6	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								

TBJ SERIES

COTS-Plus – SRC9000 Space Level



RATING & PART NUMBER REFERENCE			Parametric Specifications by Rating									Typical RMS Ripple Data by Rating						
			Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple	85°C Ripple	125°C Ripple	25°C Ripple	85°C Ripple	125°C Ripple
						+25°C	+85°C	+125°C	+25°C	+(85/125)°C	-55°C							
AVX P/N	AVX SRC9000 P/N	Case	µF @ 25°C	V @ +85°C	mOhms @ +25°C	(µA)	(µA)	(µA)	(%)	(%)	(%)	W	mA (100kHz)	mA (100kHz)	mA (100kHz)	mV (100kHz)	mV (100kHz)	mV (100kHz)
TBJE157 *016 R □ # @ 0^++	TBJE157 *016 R □ LC 9^45	E	150	16	300	16	160	320	6	9	10	0.165	742	667	297	222	200	89
TBJE157 *016 J □ # @ 0^++	TBJE157 *016 J □ LC 9^45	E	150	16	150	16	160	320	6	9	10	0.165	1049	944	420	157	142	63
TBJU227 *016 R □ # @ 0^++	TBJU227 *016 R □ LC 9^45	U	220	16	500	26.4	264	528	12	15	15	0.165	574	517	230	287	259	115
TBJU227 *016 J □ # @ 0^++	TBJU227 *016 J □ LC 9^45	U	220	16	200	26.4	264	528	12	15	15	0.165	908	817	363	182	163	73
TBJU337 *016 R □ # @ 0^++	TBJU337 *016 R □ LC 9^45	U	330	16	400	39	390	780	30	45	45	0.165	642	578	257	257	231	103
TBJU337 *016 J □ # @ 0^++	TBJU337 *016 J □ LC 9^45	U	330	16	200	39	390	780	30	45	45	0.165	908	817	363	182	163	73
TBJA105 *020 R □ # @ 0^++	TBJA105 *020 R □ LC 9^45	A	1	20	6630	0.3	3	6	4	6	8	0.075	106	96	43	705	635	282
TBJA105 *020 J □ # @ 0^++	TBJA105 *020 J □ LC 9^45	A	1	20	3000	0.3	3	6	4	6	8	0.075	158	142	63	474	427	190
TBJA155 *020 R □ # @ 0^++	TBJA155 *020 R □ LC 9^45	A	1.5	20	5460	0.3	3	6	6	9	10	0.075	117	105	47	640	576	256
TBJA155 *020 J □ # @ 0^++	TBJA155 *020 J □ LC 9^45	A	1.5	20	3000	0.3	3	6	6	9	10	0.075	158	142	63	474	427	190
TBJA225 *020 R □ # @ 0^++	TBJA225 *020 R □ LC 9^45	A	2.2	20	4550	0.33	3.3	6.6	6	9	10	0.075	128	116	51	584	526	234
TBJA225 *020 J □ # @ 0^++	TBJA225 *020 J □ LC 9^45	A	2.2	20	3000	0.33	3.3	6.6	6	9	10	0.075	158	142	63	474	427	190
TBJA335 *020 R □ # @ 0^++	TBJA335 *020 R □ LC 9^45	A	3.3	20	3740	0.5	5	10	6	9	10	0.075	142	127	57	530	477	212
TBJA335 *020 J □ # @ 0^++	TBJA335 *020 J □ LC 9^45	A	3.3	20	2500	0.5	5	10	6	9	10	0.075	173	156	69	433	390	173
TBJB335 *020 R □ # @ 0^++	TBJB335 *020 R □ LC 9^45	B	3.3	20	3740	0.5	5	10	6	9	10	0.085	151	136	60	564	507	226
TBJB335 *020 J □ # @ 0^++	TBJB335 *020 J □ LC 9^45	B	3.3	20	1300	0.5	5	10	6	9	10	0.085	256	230	102	332	299	133
TBJA475 *020 R □ # @ 0^++	TBJA475 *020 R □ LC 9^45	A	4.7	20	2500	0.71	7.1	14.2	5	8	10	0.075	173	156	69	433	390	173
TBJA475 *020 J □ # @ 0^++	TBJA475 *020 J □ LC 9^45	A	4.7	20	1800	0.71	7.1	14.2	5	8	10	0.075	204	184	82	367	331	147
TBJB475 *020 R □ # @ 0^++	TBJB475 *020 R □ LC 9^45	B	4.7	20	3160	0.71	7.1	14.2	6	9	10	0.085	164	148	66	518	466	207
TBJB475 *020 J □ # @ 0^++	TBJB475 *020 J □ LC 9^45	B	4.7	20	1000	0.71	7.1	14.2	6	9	10	0.085	292	262	117	292	262	117
TBJB685 *020 R □ # @ 0^++	TBJB685 *020 R □ LC 9^45	B	6.8	20	2650	1	10	20	6	9	10	0.085	179	161	72	475	427	190
TBJB685 *020 J □ # @ 0^++	TBJB685 *020 J □ LC 9^45	B	6.8	20	1000	1	10	20	6	9	10	0.085	292	262	117	292	262	117
TBJC685 *020 R □ # @ 0^++	TBJC685 *020 R □ LC 9^45	C	6.8	20	2000	1	10	20	6	9	10	0.110	235	211	94	469	422	188
TBJB106 *020 R □ # @ 0^++	TBJB106 *020 R □ LC 9^45	B	10	20	2200	1.5	15	30	6	9	10	0.085	197	177	79	432	389	173
TBJB106 *020 J □ # @ 0^++	TBJB106 *020 J □ LC 9^45	B	10	20	1000	1.5	15	30	6	9	10	0.085	292	262	117	292	262	117
TBJC106 *020 R □ # @ 0^++	TBJC106 *020 R □ LC 9^45	C	10	20	800	1.5	15	30	6	9	10	0.110	371	334	148	297	267	119
TBJC106 *020 J □ # @ 0^++	TBJC106 *020 J □ LC 9^45	C	10	20	500	1.5	15	30	6	9	10	0.110	469	422	188	235	211	94
TBJB156 *020 R □ # @ 0^++	TBJB156 *020 R □ LC 9^45	B	15	20	1400	2.3	23	46	6	9	10	0.085	246	222	99	345	310	138
TBJB156 *020 J □ # @ 0^++	TBJB156 *020 J □ LC 9^45	B	15	20	500	2.3	23	46	6	9	10	0.085	412	371	165	206	186	82
TBJC156 *020 R □ # @ 0^++	TBJC156 *020 R □ LC 9^45	C	15	20	720	2.3	23	46	6	9	10	0.110	391	352	156	281	253	113
TBJC156 *020 J □ # @ 0^++	TBJC156 *020 J □ LC 9^45	C	15	20	400	2.3	23	46	6	9	10	0.110	524	472	210	210	189	84
TBJD156 *020 R □ # @ 0^++	TBJD156 *020 R □ LC 9^45	D	15	20	1100	2.3	23	46	6	9	10	0.150	369	332	148	406	366	162
TBJC226 *020 R □ # @ 0^++	TBJC226 *020 R □ LC 9^45	C	22	20	650	3.3	33	66	6	9	10	0.110	411	370	165	267	241	107
TBJC226 *020 J □ # @ 0^++	TBJC226 *020 J □ LC 9^45	C	22	20	400	3.3	33	66	6	9	10	0.110	524	472	210	210	189	84
TBJD226 *020 R □ # @ 0^++	TBJD226 *020 R □ LC 9^45	D	22	20	650	3.3	33	66	6	9	10	0.150	480	432	192	312	281	125
TBJD226 *020 J □ # @ 0^++	TBJD226 *020 J □ LC 9^45	D	22	20	150	3.3	33	66	6	9	10	0.150	1000	900	400	150	135	60
TBJC336 *020 R □ # @ 0^++	TBJC336 *020 R □ LC 9^45	C	33	20	590	5	50	100	6	9	10	0.110	432	389	173	255	229	102
TBJC336 *020 J □ # @ 0^++	TBJC336 *020 J □ LC 9^45	C	33	20	300	5	50	100	6	9	10	0.110	606	545	242	182	163	73
TBJD336 *020 R □ # @ 0^++	TBJD336 *020 R □ LC 9^45	D	33	20	590	5	50	100	6	9	10	0.150	504	454	202	297	268	119
TBJD336 *020 J □ # @ 0^++	TBJD336 *020 J □ LC 9^45	D	33	20	250	5	50	100	6	9	10	0.150	775	697	310	194	174	77
TBJD476 *020 R □ # @ 0^++	TBJD476 *020 R □ LC 9^45	D	47	20	540	7.1	71	142	6	9	10	0.150	527	474	211	285	256	114
TBJD476 *020 J □ # @ 0^++	TBJD476 *020 J □ LC 9^45	D	47	20	200	7.1	71	142	6	9	10	0.150	866	779	346	173	156	69
TBJD686 *020 R □ # @ 0^++	TBJD686 *020 R □ LC 9^45	D	68	20	490	10	100	200	6	9	10	0.150	553	498	221	271	244	108
TBJD686 *020 J □ # @ 0^++	TBJD686 *020 J □ LC 9^45	D	68	20	200	10	100	200	6	9	10	0.150	866	779	346	173	156	69
TBJE686 *020 R □ # @ 0^++	TBJE686 *020 R □ LC 9^45	E	68	20	490	10	100	200	6	9	10	0.165	580	522	232	284	256	114
TBJE686 *020 J □ # @ 0^++	TBJE686 *020 J □ LC 9^45	E	68	20	120	10	100	200	6	9	10	0.165	1173	1055	469	141	127	56
TBJE107 *020 R □ # @ 0^++	TBJE107 *020 R □ LC 9^45	E	100	20	300	15	150	300	6	9	10	0.165	742	667	297	222	200	89
TBJE107 *020 J □ # @ 0^++	TBJE107 *020 J □ LC 9^45	E	100	20	150	15	150	300	6	9	10	0.165	1049	944	420	157	142	63
TBJU157 *020 R □ # @ 0^++	TBJU157 *020 R □ LC 9^45	U	150	20	500	22	220	440	30	45	45	0.165	574	517	230	287	259	115
TBJU157 *020 J □ # @ 0^++	TBJU157 *020 J □ LC 9^45	U	150	20	250	22	220	440	30	45	45	0.165	812	731	325	203	183	81
TBJA474 *025 R □ # @ 0^++	TBJA474 *025 R □ LC 9^45	A	0.47	25	9530	0.3	3	6	4	6	8	0.075	89	80	35	845	761	338
TBJA474 *025 J □ # @ 0^++	TBJA474 *025 J □ LC 9^45	A	0.47	25	7000	0.3	3	6	4	6	8	0.075	104	93	41	725	652	290
TBJA684 *025 R □ # @ 0^++	TBJA684 *025 R □ LC 9^45	A	0.68	25	7980	0.3	3	6	4	6	8	0.075	97	87	39	774	696	309
TBJA684 *025 J □ # @ 0^++	TBJA684 *025 J □ LC 9^45	A	0.68	25	6000	0.3	3	6	4	6	8	0.075	112	101	45	671	604	268
TBJA105 *025 R □ # @ 0^++	TBJA105 *025 R □ LC 9^45	A	1	25	6630	0.3	3	6	4	6	8	0.075	106	96	43	705	635	282
TBJA105 *025 J □ # @ 0^++	TBJA105 *025 J □ LC 9^45	A	1	25	3000	0.3	3	6	4	6	8	0.075	158	142	63	474	427	190
TBJA155 *025 R □ # @ 0^++	TBJA155 *025 R □ LC 9^45	A	1.5	25	5460	0.3	3	6	6	9	10	0.075	117	105	47	640	576	256
TBJA155 *025 J □ # @ 0^++	TBJA155 *025 J □ LC 9^45	A	1.5	25	3000	0.3	3	6	6	9	10	0.075	158	142	63	474	427	190
TBJB155 *025 R □ # @ 0^++	TBJB155 *025 R □ LC 9^45	B	1.5	25	5000	0.3	3	6	6	9	10	0.085	130	117	52	652	587	261

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.



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TBJ SERIES

COTS-Plus – SRC9000 Space Level



RATING & PART NUMBER REFERENCE			Parametric Specifications by Rating									Typical RMS Ripple Data by Rating						
			Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz @ +25°C	DCL max			DF Max			Power Dissipation	25°C Ripple	85°C Ripple	125°C Ripple	25°C Ripple	85°C Ripple	125°C Ripple
						+25°C	+85°C	+125°C	+25°C	+85/125°C	-55°C							
AVX P/N	AVX SRC9000 P/N	Case	µF @ 25°C	V @ +85°C	mOhms @ +25°C	(µA)	(µA)	(µA)	(%)	(%)	(%)	W	mA (100kHz)	mA (100kHz)	mA (100kHz)	mV (100kHz)	mV (100kHz)	mV (100kHz)
TBJC685*035 R □ # @ 0^++	TBJC685*035 R □ LC 9^45	C	6.8	35	1070	1.8	18	36	6	9	10	0.110	321	289	128	343	309	137
TBJC685*035 J □ # @ 0^++	TBJC685*035 J □ LC 9^45	C	6.8	35	600	1.8	18	36	6	9	10	0.110	428	385	171	257	231	103
TBJD685*035 R □ # @ 0^++	TBJD685*035 R □ LC 9^45	D	6.8	35	1300	1.8	18	36	6	9	10	0.150	340	306	136	442	397	177
TBJC106*035 R □ # @ 0^++	TBJC106*035 R □ LC 9^45	C	10	35	800	2.6	26	52	6	9	10	0.110	371	334	148	297	267	119
TBJC106*035 J □ # @ 0^++	TBJC106*035 J □ LC 9^45	C	10	35	600	2.6	26	52	6	9	10	0.110	428	385	171	257	231	103
TBJD106*035 R □ # @ 0^++	TBJD106*035 R □ LC 9^45	D	10	35	800	2.6	26	52	6	9	10	0.150	433	390	173	346	312	139
TBJD106*035 J □ # @ 0^++	TBJD106*035 J □ LC 9^45	D	10	35	250	2.6	26	52	6	9	10	0.150	775	697	310	194	174	77
TBJD156*035 R □ # @ 0^++	TBJD156*035 R □ LC 9^45	D	15	35	720	3.9	39	78	6	9	10	0.150	456	411	183	329	296	131
TBJD156*035 J □ # @ 0^++	TBJD156*035 J □ LC 9^45	D	15	35	225	3.9	39	78	6	9	10	0.150	816	735	327	184	165	73
TBJD226*035 R □ # @ 0^++	TBJD226*035 R □ LC 9^45	D	22	35	650	5.8	58	116	6	9	10	0.150	480	432	192	312	281	125
TBJD226*035 J □ # @ 0^++	TBJD226*035 J □ LC 9^45	D	22	35	200	5.8	58	116	6	9	10	0.150	866	779	346	173	156	69
TBJE336*035 R □ # @ 0^++	TBJE336*035 R □ LC 9^45	E	33	35	590	8.7	87	174	6	9	10	0.165	529	476	212	312	281	125
TBJE336*035 J □ # @ 0^++	TBJE336*035 J □ LC 9^45	E	33	35	250	8.7	87	174	6	9	10	0.165	812	731	325	203	183	81
TBJU476*035 R □ # @ 0^++	TBJU476*035 R □ LC 9^45	U	47	35	400	12.3	123	246	10	12	12	0.165	642	578	257	257	231	103
TBJU476*035 J □ # @ 0^++	TBJU476*035 J □ LC 9^45	U	47	35	200	12.3	123	246	10	12	12	0.165	908	817	363	182	163	73
TBJA224*050 R □ # @ 0^++	TBJA224*050 R □ LC 9^45	A	0.22	50	7500	0.3	3	6	4	6	8	0.075	100	90	40	750	675	300
TBJA224*050 J □ # @ 0^++	TBJA224*050 J □ LC 9^45	A	0.22	50	7000	0.3	3	6	4	6	8	0.075	104	93	41	725	652	290
TBJA334*050 R □ # @ 0^++	TBJA334*050 R □ LC 9^45	A	0.33	50	7000	0.3	3	6	4	6	8	0.075	104	93	41	725	652	290
TBJB474*050 R □ # @ 0^++	TBJB474*050 R □ LC 9^45	B	0.47	50	5000	0.3	3	6	4	6	8	0.085	130	117	52	652	587	261
TBJB684*050 R □ # @ 0^++	TBJB684*050 R □ LC 9^45	B	0.68	50	4000	0.3	3	6	4	6	8	0.085	146	131	58	583	525	233
TBJB684*050 J □ # @ 0^++	TBJB684*050 J □ LC 9^45	B	0.68	50	2000	0.3	3	6	4	6	8	0.085	206	186	82	412	371	165
TBJB105*050 R □ # @ 0^++	TBJB105*050 R □ LC 9^45	B	1	50	3400	0.4	4	8	4	6	8	0.085	158	142	63	538	484	215
TBJB105*050 J □ # @ 0^++	TBJB105*050 J □ LC 9^45	B	1	50	2000	0.4	4	8	4	6	8	0.085	206	186	82	412	371	165
TBJC105*050 R □ # @ 0^++	TBJC105*050 R □ LC 9^45	C	1	50	3000	0.4	4	8	4	6	8	0.110	191	172	77	574	517	230
TBJC155*050 R □ # @ 0^++	TBJC155*050 R □ LC 9^45	C	1.5	50	2500	0.6	6	12	6	9	10	0.110	210	189	84	524	472	210
TBJC155*050 J □ # @ 0^++	TBJC155*050 J □ LC 9^45	C	1.5	50	1500	0.6	6	12	6	9	10	0.110	271	244	108	406	366	162
TBJC225*050 R □ # @ 0^++	TBJC225*050 R □ LC 9^45	C	2.2	50	1700	0.8	8	16	6	9	10	0.110	254	229	102	432	389	173
TBJC225*050 J □ # @ 0^++	TBJC225*050 J □ LC 9^45	C	2.2	50	1000	0.8	8	16	6	9	10	0.110	332	298	133	332	298	133
TBJD225*050 R □ # @ 0^++	TBJD225*050 R □ LC 9^45	D	2.2	50	2000	0.8	8	16	4.5	7	9	0.150	274	246	110	548	493	219
TBJD225*050 J □ # @ 0^++	TBJD225*050 J □ LC 9^45	D	2.2	50	1200	0.8	8	16	4.5	7	9	0.150	354	318	141	424	382	170
TBJC335*050 R □ # @ 0^++	TBJC335*050 R □ LC 9^45	C	3.3	50	1400	1.2	12	24	6	9	10	0.110	280	252	112	392	353	157
TBJC335*050 J □ # @ 0^++	TBJC335*050 J □ LC 9^45	C	3.3	50	1000	1.2	12	24	6	9	10	0.110	332	298	133	332	298	133
TBJD335*050 R □ # @ 0^++	TBJD335*050 R □ LC 9^45	D	3.3	50	1100	1.2	12	24	4.5	7	9	0.150	369	332	148	406	366	162
TBJD335*050 J □ # @ 0^++	TBJD335*050 J □ LC 9^45	D	3.3	50	800	1.2	12	24	4.5	7	9	0.150	433	390	173	346	312	139
TBJD475*050 R □ # @ 0^++	TBJD475*050 R □ LC 9^45	D	4.7	50	900	1.8	18	36	4.5	7	9	0.150	408	367	163	367	331	147
TBJD475*050 J □ # @ 0^++	TBJD475*050 J □ LC 9^45	D	4.7	50	600	1.8	18	36	4.5	7	9	0.150	500	450	200	300	270	120
TBJD685*050 R □ # @ 0^++	TBJD685*050 R □ LC 9^45	D	6.8	50	700	2.6	26	52	4.5	7	9	0.150	463	417	185	324	292	130
TBJE106*050 R □ # @ 0^++	TBJE106*050 R □ LC 9^45	E	10	50	700	3.8	38	76	4.5	7	9	0.165	486	437	194	340	306	136
TBJE106*050 J □ # @ 0^++	TBJE106*050 J □ LC 9^45	E	10	50	300	3.8	38	76	4.5	7	9	0.165	742	667	297	222	200	89
TBJU156*050 R □ # @ 0^++	TBJU156*050 R □ LC 9^45	U	15	50	500	5.6	56	112	30	45	45	0.165	574	517	230	287	259	115
TBJU226*050R □ # @ 0^++	TBJU226*050 R □ LC 9^45	U	22	50	500	8.2	82	164	30	45	45	0.165	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.



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