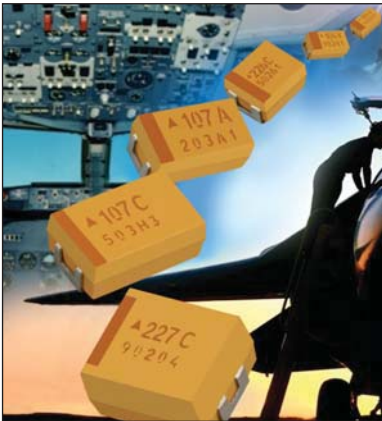


TBJ Series

COTS-Plus



The TBJ COTS-Plus series, based on the CWR11 form factor, is a high reliability series encompassing the current range of EIA Low ESR ratings. These ratings are available with Weibull grading (B and C), surge current testing (A, B, C) per MIL-PRF-55365 Rev. G, and optional Group A from MIL-PRF-55365.

For Space Level applications, AVX SRC9000 qualification is recommended. Please refer to the TBJ COTS-Plus SRC9000 Datasheet for part number availability.

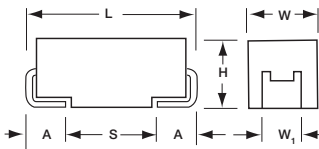
There are five termination finishes available: solder plated, fused solder plated, hot solder dipped, 100% Tin and gold plated (these correspond to "H", "K", "C", "7" and "B" termination, respectively). The molding compound has been selected to meet the requirements of UL94V-0 (Flame Retardancy) and outgassing requirements of ASTM E-595.

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)

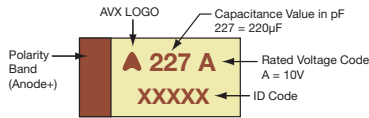
Code	EIA Code	EIA Metric	L±0.20 (0.008)	W+0.20 (0.008) -0.10 (0.004)	H+0.20 (0.008) -0.10 (0.004)	W ₁ ±0.20 (0.008)	A+0.30 (0.012) -0.20 (0.008)	S Min.
A	1206	3216-18	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
B	1210	3528-21	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (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)
V	2924	7361-38	7.30 (0.287)	6.10 (0.240)	3.55 (0.140)	3.10 (0.120)	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



HOW TO ORDER

AVX PART NUMBER:

TBJ	D	227	*	035	C	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)	K = ±10% M = ±20%	002 = 2Vdc 004 = 4Vdc 006 = 6.3Vdc 010 = 10Vdc 016 = 16Vdc 020 = 20Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc	C = Std ESR L = 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	H = Solder Plated 0 = Fused Solder Plated 8 = Hot Solder Dipped 9 = Gold Plated 7 = Matte Sn	00 = None 23 = 10 Cycles, +25°C 24 = 10 Cycles, -55°C & +85°C 45 = 10 cycles, -55°C & +85°C before Weibull



TECHNICAL SPECIFICATIONS

Technical Data:	Unless otherwise specified, all technical data relate to an ambient temperature of 25°C										
Capacitance Range:	0.10 µF to 1500 µF										
Capacitance Tolerance:	±10%; ±20%										
Rated Voltage (V _R)	≤ 85°C:	2	4	6	10	16	20	25	35	50	
Category Voltage (V _C)	≤ 125°C:	1.4	2.7	4	7	10	13	17	23	33	
Surge Voltage (V _S)	≤ 85°C:	2.6	5.2	8	13	20	26	32	46	65	
Surge Voltage (V _S)	≤ 125°C:	1.7	3.4	5	8	13	16	20	28	40	
Temperature Range:	-55°C to +125°C										

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

Capacitance		Rated Voltage DC (V_R) to 85°C									
μF	Code	2V (e)	4V (G)	6V (J)	10V (A)	15V (H)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)
0.10	104									A(24000)	A(22000)
0.15	154									A(21000)	A(9000, 21000) B(17000)
0.22	224									A(6000, 18000)	A(7000, 18000) B(14000)
0.33	334									A(6000, 15000)	B(12000)
0.47	474							A(14000)	A(7000, 14000)	A(6000, 12000) B(4000, 10000)	C(8000)
0.68	684					A(12000)	A(12000)	A(12000)	A(6000, 10000) B(7500)	A(6000, 8000) B(8000)	A(7900) C(7000)
1.0	105				A(10000)	A(10000)	A(10000)	A(3000, 10000)	A(8000) B(6500)	A(3000, 7500) B(2000, 6500)	C(2500, 6000)
1.5	155			A(8000)	A(8000)	A(8000)		A(6500) B(6000)	A(3000, 7500) B(1800, 6500)	A(7500) B(2500, 5200) C(4500)	C(1500, 5000) D(4000)
2.2	225		A(8000)	A(8000)	A(1800, 8000)	B(5500)	A(1800, 5500) B(5000)	A(3000, 5300) B(5000)	A(7000) B(900, 4500) C(3500)	A(1500, 4500) B(2000, 4200) C(1000, 3500)	D(1200, 2500)
3.3	335			A(8000)	B(5500)	B(5000)	A(3500, 5000) B(4500)	A(2500) B(1300, 4000)	A(1000, 1500) B(750, 3500) C(3500)	B(1000, 3500) C(700, 2500)	D(800, 2000)
4.7	475		A(8000)	B(5500)	A(1400, 5000) B(4500)	B(4000)	A(2000, 4000) B(800, 3100)	A(1800, 4000) B(750, 3000) C(3000)	A(2800) B(1500, 2800) C(2500)	B(700, 3100) C(600, 2200) D(500, 1500)	D(300, 1500)
6.8	685		B(5500)	A(1800, 5000) B(4500)	A(1800, 4000) B(3500)		A(1500, 2500) B(60, 2500)	A(1000) B(600, 2500) C(700, 2400)	B(700, 2800) C(500, 2000) D(1400)	C(350, 1800) D(500, 1300)	D(500, 1000)
10	106		B(4000)	A(1500, 4000) B(3500)	A(1800, 3000) B(2500)	C(2500)	A(1000, 3000) B(500, 2800) C(500, 2500)	B(1000, 2100) C(500, 1900)	C(500, 1800) D(1200)	C(600, 1600) D(300, 1000) E(200, 250)	E(400, 500) V(650)
15	156		B(3500)	A(1500, 3500) B(3500) C(3000)	A(1000, 3200) B(450, 2800) C(2500)		B(800, 2500) C(1800)	B(500, 2000) C(400, 1700) D(1100)	C(220, 300) D(300, 1000)	C(350, 1400) D(300, 900)	D(600) E(250, 600)
22	226			A(500, 3000) B(375, 2500) C(2200)	B(700, 2400) C(300, 1000)	D(1100)	B(600, 2300) C(375, 1600) D(1100)	B(400, 600) C(150, 1600) D(200, 900)	C(275, 1400) D(200, 900)	D(400, 900) E(300, 900)	V(390, 600)
33	336		A(3000) C(2200)	A(600) B(600, 2200)	A(700, 1700) B(250, 1800) C(150, 1600) D(1100)	D(900)	B(350) C(300, 1500) D(200, 900)	C(300, 1500) D(100, 900)	D(100, 900) E(300, 900)	D(300, 900) E(100, 250) V(200)	
47	476		A(500)	A(800) B(250, 350) C(300, 1600) D(1100)	B(250, 350) C(200, 1200) D(100, 900)		C(350, 1500) D(150, 900)	D(100, 200) E(70, 250)	D(250, 900) E(80, 100)	E(200, 250) V(200, 400)	
68	686		D(1100)	B(250, 1800) C(150, 1600) D(900)	B(600) C(80, 1200) D(100, 900)		C(125, 200) D(70, 900)	D(70, 900) E(150, 900)	E(125, 200) V(95)	V(150, 200)	
100	107		A(1400) B(200, 1600)	B(250, 400) C(150, 900) D(900)	B(400) C(200, 1200) D(100, 900) E(125)		D(125, 900) E(100, 900)	D(85, 100) E(100, 150) V(85, 200)	V(100)		
150	157	B(150)	B(250) C(70, 80)	C(50, 90) D(50, 900)	D(150, 900) E(100)		D(150, 900) E(100, 300) V(45, 75)	E(300) V(80)			
220	227	B(150, 200) D(45)	D(40, 900)	C(70, 1200) D(100, 900) E(100)	D(150, 900) E(100, 900)		E(100, 150) V(75, 150)				
330	337		C(100) D(35, 45)	D(45, 50) E(100, 900) V(100)	D(150, 900) E(60, 900) V(60, 100)						
470	477	D(35)	D(45, 100) E(35)	D(45, 60) E(50, 900) V(55, 100)	E(50, 900) V(60, 100)						
680	687	D(35, 50) E(35, 50)	D(45, 60) E(40, 60)	E(45, 60) V(35, 40)							
1000	108	E(30, 40)	E(60) V(25, 35)	V(40, 50)							
1500	158	D(100) E(50) V(30, 40)	E(50, 75) V(50, 75)								

Available Ratings: ESR limits quoted in brackets (mOhms)

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

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

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.

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4										Typical RMS Ripple Data by Rating											
		DC Rated				ESR				DCL max		DF Max				Power		25°C		85°C		125°C	
		Cap @ 120Hz	V @ -85°C	Ohms @ +25°C	@ 100kHz	+25°C	+85°C	+125°C	+25°C	(%)	(+85/125)°C	-55°C	Disipation	A	Ripple Current	A	Ripple Current	V	Ripple Voltage	V	Ripple Voltage	V	Ripple Voltage
AVX COTS-Plus P/N	Case	µF	@ 25°C		µA	µA	(µA)	(%)	(%)	(%)	(%)	W	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)	
TBJB685*006C□#00V++	B	6.8	6	4.5	0.408	4.08	4.896	6	9	9	9	0.085	0.124	0.055	0.618	0.557	0.247						
TBJA106*006C□#00V++	A	10	6	4	0.6	6	12	6	9	9	10	0.075	0.123	0.055	0.548	0.493	0.219						
TBJA106*006C□#00V++	A	10	6	1.5	0.6	6	12	6	9	9	10	0.075	0.224	0.089	0.335	0.302	0.134						
TBJB106*006C□#00V++	B	10	6	3.5	0.6	6	7.2	6	9	9	9	0.085	0.156	0.140	0.082	0.545	0.491	0.218					
TBJA156*006C□#00V++	A	15	6	3.5	0.9	9	18	6	9	9	10	0.075	0.146	0.132	0.059	0.512	0.461	0.205					
TBJA156*006C□#00V++	A	15	6	1.5	0.9	9	18	6	9	9	10	0.075	0.224	0.089	0.335	0.302	0.134						
TBJB156*006C□#00V++	B	15	6	3.5	0.225	2.25	4.5	6	9	10	10	0.085	0.156	0.140	0.082	0.545	0.491	0.218					
TBJC156*006C□#00V++	C	15	6	3	0.9	9	10.8	6	9	9	10	0.110	0.191	0.172	0.077	0.574	0.517	0.230					
TBJA226*006C□#00V++	A	22	6	3	1.32	13.2	26.4	6	9	10	10	0.075	0.158	0.142	0.063	0.474	0.427	0.190					
TBJA226*006C□#00V++	A	22	6	0.5	1.32	13.2	26.4	6	9	10	10	0.075	0.387	0.349	0.155	0.194	0.174	0.077					
TBJB226*006C□#00V++	B	22	6	2.5	1.32	13.2	26.4	6	9	10	10	0.085	0.166	0.166	0.074	0.461	0.415	0.184					
TBJB226*006C□#00V++	B	22	6	0.375	1.32	13.2	26.4	6	9	10	10	0.085	0.476	0.428	0.190	0.179	0.161	0.071					
TBJC226*006C□#00V++	C	22	6	2.2	1.32	13.2	26.4	6	9	10	10	0.110	0.224	0.201	0.089	0.492	0.443	0.197					
TBJA336*006C□#00V++	A	33	6	0.6	1.98	19.8	39.6	8	10	12	12	0.075	0.354	0.318	0.141	0.212	0.191	0.085					
TBJB336*006C□#00V++	B	33	6	2.2	1.98	19.8	39.6	6	9	10	10	0.085	0.197	0.177	0.079	0.432	0.389	0.173					
TBJB336*006C□#00V++	B	33	6	0.6	1.98	19.8	39.6	6	9	10	10	0.085	0.376	0.339	0.151	0.226	0.203	0.090					
TBJA476*006C□#00V++	A	47	6	0.8	2.82	28.2	56.4	10	12	14	14	0.075	0.306	0.276	0.122	0.245	0.220	0.098					
TBJB476*006C□#00V++	B	47	6	0.35	2.82	28.2	56.4	6	9	10	10	0.085	0.493	0.444	0.197	0.172	0.155	0.069					
TBJB476*006C□#00V++	B	47	6	0.25	2.82	28.2	56.4	6	9	10	10	0.085	0.583	0.525	0.233	0.146	0.131	0.058					
TBJC476*006C□#00V++	C	47	6	1.6	2.82	28.2	56.4	6	9	10	10	0.110	0.262	0.236	0.105	0.240	0.378	0.168					
TBJC476*006C□#00V++	C	47	6	0.3	2.82	28.2	56.4	6	9	10	10	0.110	0.606	0.545	0.242	0.182	0.163	0.073					
TBJD476*006C□#00V++	D	47	6	1.1	2.82	28.2	33.84	6	9	9	9	0.150	0.369	0.332	0.148	0.406	0.366	0.162					
TBJB686*006C□#00V++	B	68	6	1.8	4.08	40.8	81.6	8	10	12	12	0.085	0.217	0.196	0.087	0.391	0.352	0.156					
TJB686*006C□#00V++	B	68	6	0.25	4.08	40.8	81.6	8	9	10	10	0.085	0.583	0.525	0.233	0.146	0.131	0.058					
TJB686*006C□#00V++	C	68	6	1.6	4.08	40.8	81.6	6	9	10	10	0.110	0.262	0.236	0.105	0.240	0.378	0.168					
TBJC686*006C□#00V++	C	68	6	0.15	4.08	40.8	81.6	6	9	10	10	0.110	0.856	0.771	0.343	0.128	0.116	0.051					
TBJC686*006C□#00V++	C	68	6	0.9	4.08	40.8	48.96	6	9	9	9	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJB107*006C□#00V++	B	100	6	0.4	6	60	120	10	12	14	14	0.085	0.461	0.415	0.184	0.184	0.166	0.074					
TBJB107*006C□#00V++	B	100	6	0.25	6	60	120	10	12	14	14	0.085	0.583	0.525	0.233	0.146	0.131	0.058					
TBJC107*006C□#00V++	C	100	6	0.9	6	60	120	6	9	10	10	0.110	0.350	0.315	0.140	0.315	0.283	0.126					
TBJC107*006C□#00V++	C	100	6	0.15	6	60	120	6	9	10	10	0.110	0.856	0.771	0.343	0.128	0.116	0.051					
TBJD107*006C□#00V++	D	100	6	0.9	6	60	120	6	9	10	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJC157*006C□#00V++	C	150	6	0.09	9	90	180	6	9	10	10	0.110	1.106	0.995	0.442	0.099	0.090	0.040					
TBJC157*006C□#00V++	C	150	6	0.05	9	90	180	6	9	10	10	0.110	1.483	1.335	0.593	0.074	0.067	0.030					
TBJD157*006C□#00V++	D	150	6	0.9	9	90	180	6	9	10	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJD157*006C□#00V++	D	150	6	0.05	9	90	180	6	9	10	10	0.150	1.732	1.559	0.693	0.087	0.078	0.035					
TBJC227*006C□#00V++	C	220	6	1.2	13.2	132	264	10	12	14	14	0.110	0.303	0.272	0.121	0.363	0.327	0.145					
TBJC227*006C□#00V++	C	220	6	0.07	13.2	132	264	8	10	12	12	0.110	1.254	1.128	0.501	0.088	0.079	0.035					
TBJD227*006C□#00V++	D	220	6	0.9	13.2	132	264	8	10	12	12	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJD227*006C□#00V++	D	220	6	0.1	13.2	132	264	8	10	12	12	0.150	1.225	1.102	0.490	0.122	0.110	0.049					
TBJE227*006C□#00V++	E	220	6	0.1	13.2	132	264	8	10	12	12	0.165	1.285	1.156	0.514	0.128	0.116	0.051					
TBJD337*006C□#00V++	D	330	6	0.05	19.8	198	396	8	10	12	12	0.150	1.732	1.559	0.693	0.087	0.078	0.035					
TBJD337*006C□#00V++	D	330	6	0.045	19.8	198	396	8	10	12	12	0.150	1.826	1.643	0.730	0.082	0.074	0.033					
TBJE337*006C□#00V++	E	330	6	0.9	19.8	198	396	8	10	12	12	0.165	0.428	0.385	0.171	0.385	0.347	0.154					
TBJE337*006C□#00V++	E	330	6	0.1	19.8	198	396	8	10	12	12	0.165	1.285	1.156	0.514	0.128	0.116	0.051					
TBM337*006C□#00V++	V	330	6	0.1	19.8	198	396	8	10	12	12	0.250	1.581	1.423	0.632	0.158	0.142	0.063					
TBJD477*006C□#00V++	D	470	6	0.06	28.2	282	564	12	14	16	16	0.150	1.581	1.423	0.632	0.095	0.085	0.038					
TBJD477*006C□#00V++	D	470	6	0.045	28.2	282	564	12	14	16	16	0.150	1.826	1.643	0.730	0.082	0.074	0.033					
TBJE477*006C□#00V++	E	470	6	0.9	28.2	282	564	10	12	14	14	0.165	0.428	0.385	0.171	0.385	0.347	0.154					
TBJE477*006C□#00V++	E	470	6	0.05	28.2	282	564	10	12	14	14	0.165	1.817	1.635	0.727	0.091	0.082	0.036					
TBM477*006C□#00V++	V	470	6	0.1	28.2	282	564	10	12	14	14	0.250	1.581	1.423	0.632	0.158	0.142	0.063					
TBM477*006C□#00V++	V	470	6	0.055	28.2	282	564	10	12	14	14	0.250	2.132	1.919	0.863	0.117	0.106	0.047					
TBJE687*006C□#00V++	E	680	6	0.06	40.8	408	816	10	12	14	14	0.165	1.658	1.492	0.663	0.099	0.090	0.040					
TBJE687*006C□#00V++	E	680	6	0.045	40.8	408	816	10	12	14	14	0.165	1.915	1.723	0.766	0.086	0.078	0.034					
TBM687*006C□#00V++	V	680	6	0.04	40.8	408	816	10	12	14	14	0.250	2.500	2.250	1.000	0.100	0.090	0.040					
TBM687*006C□#00V++	V	680	6	0.035	40.8	408	816	14	17	20	20	0.250	2.673	2.405	1.069	0.094	0.084	0.037					

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.

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4										Typical RMS Ripple Data by Rating									
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz		DCL max		DF Max (+85/125)°C		Power Dissipation		25°C		85°C		125°C					
				µF @ 25°C	V @ +85°C	Ohms @ +25°C	µA	+125°C (µA)	+25°C (%)	(%)	(%)	W	A (100kHz)	A (100kHz)	V (100kHz)	V (100kHz)	V (100kHz)				
AVX COTS-Plus P/N	Case	TBJA108*006C□#00++	V	1000	6	0.05	60	600	1200	16	19	21	0.250	2.236	2.012	0.894	0.112	0.101	0.045		
TBJA108*006LL□#00++	V	1000	6	0.04	60	600	1200	600	1200	16	19	21	0.250	2.500	2.250	1.000	0.100	0.090	0.040		
TBJA108*010C□#00++	A	1	10	10	0.1	1	1.2	1	1.8	4	6	6	0.075	0.087	0.078	0.035	0.086	0.779	0.346		
TBJA155*010C□#00++	A	1.5	10	8	0.15	1.5	1.5	1.5	1.8	6	6	9	0.075	0.097	0.087	0.039	0.775	0.697	0.310		
TBJA225*010C□#00++	A	2.2	10	8	0.22	2.2	2.2	2.2	2.64	6	9	9	0.075	0.097	0.087	0.039	0.775	0.697	0.310		
TBJA225*010LL□#00++	A	2.2	10	1.8	0.22	2.2	4.4	2.2	4.4	6	9	10	0.085	0.124	0.112	0.050	0.684	0.615	0.273		
TBJB335*010C□#00++	B	3.3	10	5.5	0.33	3.3	3.3	3.3	3.96	6	9	9	0.085	0.124	0.112	0.050	0.684	0.615	0.273		
TBJA475*010C□#00++	A	4.7	10	5	0.47	4.7	4.7	4.7	9.4	6	9	10	0.075	0.122	0.110	0.049	0.612	0.551	0.245		
TBJA475*010LL□#00++	A	4.7	10	1.4	0.47	4.7	9.4	4.7	9.4	6	9	10	0.075	0.122	0.110	0.049	0.612	0.551	0.245		
TBJB475*010C□#00++	B	4.7	10	4.5	0.47	4.7	5.64	4.7	5.64	6	9	9	0.085	0.137	0.124	0.055	0.618	0.557	0.247		
TBJA685*010C□#00++	A	6.8	10	4	0.68	6.8	6.8	6.8	13.6	6	9	10	0.075	0.137	0.123	0.055	0.548	0.493	0.219		
TBJA685*010LL□#00++	A	6.8	10	1.8	0.68	6.8	13.6	6.8	13.6	6	9	10	0.085	0.156	0.140	0.062	0.545	0.491	0.218		
TBJB685*010C□#00++	B	6.8	10	3.5	0.68	6.8	8.16	6.8	8.16	6	9	9	0.085	0.156	0.140	0.062	0.545	0.491	0.218		
TBJA106*010C□#00++	A	10	10	3	1	10	20	10	20	6	9	10	0.075	0.158	0.142	0.063	0.474	0.427	0.190		
TBJA106*010LL□#00++	A	10	10	1.8	1	10	20	10	20	6	9	10	0.075	0.158	0.142	0.063	0.474	0.427	0.190		
TBJB106*010C□#00++	B	10	10	2.5	1	10	20	10	20	6	9	10	0.085	0.184	0.166	0.074	0.461	0.415	0.184		
TBJA156*010C□#00++	A	15	10	3.2	1.5	15	30	15	30	6	9	10	0.075	0.153	0.138	0.061	0.490	0.441	0.196		
TBJA156*010LL□#00++	A	15	10	1	1.5	15	30	15	30	6	9	10	0.075	0.153	0.138	0.061	0.490	0.441	0.196		
TBJB156*010C□#00++	B	15	10	2.8	1.5	15	30	15	30	6	9	10	0.085	0.174	0.157	0.070	0.488	0.439	0.195		
TBJB156*010LL□#00++	B	15	10	0.45	1.5	15	30	15	30	6	9	10	0.085	0.174	0.157	0.070	0.488	0.439	0.195		
TBJC156*010C□#00++	C	15	10	2.5	1.5	15	18	6	6	9	9	10	0.110	0.210	0.189	0.084	0.524	0.472	0.210		
TBJB225*010C□#00++	B	22	10	2.4	2.2	22	44	22	44	6	9	10	0.085	0.188	0.169	0.075	0.452	0.406	0.181		
TBJB225*010LL□#00++	B	22	10	0.7	2.2	22	44	22	44	6	9	10	0.085	0.188	0.169	0.075	0.452	0.406	0.181		
TBJC226*010C□#00++	C	22	10	0.3	2.2	22	44	22	44	6	9	10	0.110	0.332	0.298	0.133	0.332	0.298	0.133		
TBJC226*010LL□#00++	C	22	10	1	2.2	22	44	22	44	6	9	10	0.110	0.332	0.298	0.133	0.332	0.298	0.133		
TBJA336*010C□#00++	A	33	10	1.7	3.3	33	66	33	66	8	10	12	0.075	0.210	0.189	0.084	0.357	0.321	0.143		
TBJA336*010LL□#00++	A	33	10	0.7	3.3	33	66	33	66	8	10	12	0.075	0.210	0.189	0.084	0.357	0.321	0.143		
TBJB336*010C□#00++	B	33	10	1.8	3.3	33	66	33	66	8	10	12	0.085	0.217	0.196	0.087	0.391	0.352	0.156		
TBJB336*010LL□#00++	B	33	10	0.25	3.3	33	66	33	66	8	10	12	0.085	0.217	0.196	0.087	0.391	0.352	0.156		
TBJC336*010C□#00++	C	33	10	1.6	3.3	33	66	33	66	8	10	12	0.110	0.262	0.236	0.105	0.378	0.342	0.168		
TBJC336*010LL□#00++	C	33	10	0.15	3.3	33	66	33	66	8	10	12	0.110	0.262	0.236	0.105	0.378	0.342	0.168		
TBJD336*010C□#00++	D	33	10	1.1	3.3	33	39.6	33	39.6	6	9	9	0.150	0.369	0.332	0.148	0.406	0.366	0.162		
TJB476*010C□#00++	B	47	10	0.35	4.7	47	94	47	94	8	10	12	0.085	0.493	0.444	0.197	0.172	0.155	0.069		
TJB476*010LL□#00++	B	47	10	0.25	4.7	47	94	47	94	8	10	12	0.085	0.493	0.444	0.197	0.172	0.155	0.069		
TBJC476*010C□#00++	C	47	10	1.2	4.7	47	94	47	94	6	9	10	0.110	0.303	0.272	0.121	0.363	0.327	0.145		
TBJC476*010LL□#00++	C	47	10	0.2	4.7	47	94	47	94	6	9	10	0.110	0.303	0.272	0.121	0.363	0.327	0.145		
TBJD476*010C□#00++	D	47	10	0.9	4.7	47	56.4	47	56.4	6	9	9	0.150	0.408	0.367	0.163	0.406	0.366	0.162		
TBJD476*010LL□#00++	D	47	10	0.1	4.7	47	94	47	94	6	9	10	0.150	0.408	0.367	0.163	0.406	0.366	0.162		
TJB886*010C□#00++	B	68	10	0.6	6.8	68	136	68	136	6	9	10	0.085	0.376	0.339	0.151	0.226	0.203	0.090		
TJB886*010LL□#00++	B	68	10	1.2	6.8	68	136	68	136	6	9	10	0.085	0.376	0.339	0.151	0.226	0.203	0.090		
TJB886*010C□#00++	C	68	10	0.08	6.8	68	136	68	136	6	10	12	0.110	1.173	1.055	0.469	0.094	0.084	0.038		
TJB886*010LL□#00++	C	68	10	0.9	6.8	68	136	68	136	6	10	12	0.110	1.173	1.055	0.469	0.094	0.084	0.038		
TBJD886*010C□#00++	D	68	10	0.1	6.8	68	136	68	136	6	9	10	0.150	1.225	1.102	0.490	0.122	0.110	0.049		
TBJD886*010LL□#00++	D	68	10	0.4	6.8	68	136	68	136	6	9	10	0.150	1.225	1.102	0.490	0.122	0.110	0.049		
TJB107*010C□#00++	B	100	10	0.4	10	100	200	100	200	8	10	12	0.085	0.461	0.415	0.184	0.184	0.166	0.074		
TJB107*010LL□#00++	B	100	10	1.2	10	100	200	100	200	8	10	12	0.085	0.461	0.415	0.184	0.184	0.166	0.074		
TJB107*010C□#00++	C	100	10	0.2	10	100	200	100	200	8	10	12	0.110	0.303	0.272	0.121	0.363	0.327	0.145		
TJB107*010LL□#00++	C	100	10	0.2	10	100	200	100	200	8	10	12	0.110	0.303	0.272	0.121	0.363	0.327	0.145		
TBJD107*010C□#00++	D	100	10	0.9	10	100	200	100	200	6	9	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147		
TBJD107*010LL□#00++	D	100	10	0.1	10	100	200	100	200	6	9	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147		
TJB1E107*010C□#00++	E	100	10	0.125	10	100	200	100	200	6	9	10	0.165	1.285	1.156	0.514	0.128	0.116	0.051		
TBJD157*010C□#00++	D	150	10	0.9	15	150	300	150	300	8	10	12	0.150	0.408	0.367	0.163	0.367	0.331	0.147		
TBJD157*010LL□#00++	D	150	10	0.1	15	150	300	150	300	8	10	12	0.150	0.408	0.367	0.163	0.367	0.331	0.147		
TBJE157*010C□#00++	E	150	10	0.1	15	150	300	150	300	8	10	12	0.165	1.285	1.156	0.514	0.128	0.116	0.051		
TBJE157*010LL□#00++	E	150	10	0.1	15	150	300	150	300	8	10	12	0.165	1.285	1.156	0.514	0.128	0.116	0.051		
TBJD227*010C□#00++	D	220	10	0.9	22	220	440	220	440	8	10	12	0.150	0.408	0.367	0.163	0.367	0.331	0.147		
TBJD227*010LL□#00++	D	220																			

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4										Typical RMS Ripple Data by Rating																																																																																																																																																																																																																																																																																																																																																																																			
		Cap @ 120Hz µF @ 25°C	DC Rated Voltage V @ +85°C	ESR @ 100kHz Ohms @ +25°C	DCL max		DF Max		Power Dissipation		25°C		125°C		85°C		25°C		85°C		125°C																																																																																																																																																																																																																																																																																																																																																																										
					+25°C (µA)	+85°C (µA)	+125°C (µA)	+25°C (%)	-55°C (%)	W	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)	Ripple Current A (100kHz)	A (100kHz)	Ripple Voltage V (100kHz)	A (100kHz)

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.

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4										Typical RMS Ripple Data by Rating					
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max		DF Max + (85/125)°C		Power Dissipation	25°C		85°C		125°C			
					+25°C (µA)	+85°C (µA)	+25°C (%)	(%)		W (100kHz)	A (100kHz)	Ripple Current (100kHz)	V (100kHz)	Ripple Voltage (100kHz)	V (100kHz)		
AVX COTS-Plus P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	(µA)	(µA)	(%)	(%)	(%)	(%)	A (100kHz)	A (100kHz)	A (100kHz)	V (100kHz)	V (100kHz)	V (100kHz)	V (100kHz)
TBJC686V016C□#00V++	C	68	16	0.2	10.88	108.8	217.6	6	9	10	0.110	0.667	0.297	0.148	0.133	0.059	
TBJC686V016L□#00V++	C	68	16	0.125	10.88	108.8	217.6	6	9	10	0.110	0.938	0.844	0.375	0.117	0.106	0.047
TBJD686V016C□#00V++	D	68	16	0.9	10.88	108.8	217.6	6	9	10	0.150	0.408	0.367	0.163	0.092	0.092	0.041
TBJD686V016L□#00V++	D	68	16	0.07	10.88	108.8	217.6	6	9	10	0.150	1.464	1.317	0.586	0.102	0.092	0.041
TBJD107V016C□#00V++	D	100	16	0.9	16	160	320	6	9	10	0.150	0.408	0.367	0.163	0.092	0.092	0.041
TBJD107V016L□#00V++	D	100	16	0.125	16	160	320	6	9	10	0.150	0.986	0.886	0.438	0.137	0.123	0.055
TBJE107V016C□#00V++	E	100	16	0.9	16	160	320	6	9	10	0.165	0.428	0.385	0.171	0.092	0.092	0.041
TBJE107V016L□#00V++	E	100	16	0.1	16	160	320	6	9	10	0.165	1.285	1.156	0.514	0.128	0.116	0.051
TBJD157V016C□#00V++	D	150	16	0.9	24	240	480	6	9	10	0.150	0.408	0.367	0.163	0.092	0.092	0.041
TBJD157V016L□#00V++	D	150	16	0.15	24	240	480	6	9	10	0.150	1.000	0.900	0.400	0.135	0.135	0.060
TBJE157V016C□#00V++	E	150	16	0.3	24	240	480	6	9	10	0.165	0.742	0.667	0.297	0.222	0.200	0.089
TBJE157V016L□#00V++	E	150	16	0.1	24	240	480	6	9	10	0.165	1.285	1.156	0.514	0.128	0.116	0.051
TBM157V016C□#00V++	V	150	16	0.075	24	240	480	8	10	12	0.250	1.826	1.643	0.730	0.137	0.123	0.055
TBM157V016L□#00V++	V	150	16	0.045	24	240	480	6	8	10	0.250	2.357	2.121	0.943	0.106	0.095	0.042
TBJE227V016C□#00V++	E	220	16	0.15	35.2	352	704	10	12	14	0.165	1.049	0.944	0.420	0.157	0.142	0.063
TBJE227V016L□#00V++	E	220	16	0.1	35.2	352	704	10	12	14	0.165	1.285	1.156	0.514	0.128	0.116	0.051
TBM227V016C□#00V++	V	220	16	0.15	35.2	352	704	8	10	12	0.250	1.291	1.162	0.516	0.194	0.174	0.077
TBM227V016L□#00V++	V	220	16	0.075	35.2	352	704	8	10	12	0.250	1.826	1.643	0.730	0.137	0.123	0.055
TBJA474V020C□#00V++	A	0.47	20	14	0.5	5	10	4	6	6	0.075	0.073	0.066	0.029	0.1025	0.922	0.410
TBJA684V020C□#00V++	A	0.68	20	12	0.136	1.36	1.632	4	6	6	0.075	0.079	0.071	0.032	0.949	0.854	0.379
TBJA105V020C□#00V++	A	1	20	10	0.2	2	2.4	4	6	6	0.075	0.087	0.078	0.035	0.866	0.779	0.346
TBJA105V020L□#00V++	A	1	20	3	0.2	2	4	4	6	6	0.075	0.158	0.142	0.063	0.474	0.427	0.190
TBJA155V020C□#00V++	A	1.5	20	6.5	0.3	3	6	4	8	9	0.075	0.107	0.097	0.043	0.698	0.628	0.279
TBJB155V020C□#00V++	B	1.5	20	6	0.3	3	3.6	6	9	10	0.085	0.119	0.107	0.048	0.714	0.643	0.286
TBJA25V020C□#00V++	A	2.2	20	5.3	0.44	4.4	8.8	6	8	8	0.075	0.158	0.142	0.063	0.474	0.427	0.190
TBJA25V020L□#00V++	A	2.2	20	3	0.44	4.4	8.8	6	9	10	0.075	0.158	0.142	0.063	0.474	0.427	0.190
TBJB25V020C□#00V++	B	2.2	20	5	0.44	4.4	5.28	6	8	9	0.085	0.130	0.117	0.052	0.652	0.587	0.261
TBJA35V020L□#00V++	A	3.3	20	2.5	0.66	6.6	13.2	6	9	10	0.075	0.173	0.156	0.089	0.433	0.390	0.173
TBJB35V020C□#00V++	B	3.3	20	4	0.66	6.6	7.92	6	9	9	0.085	0.146	0.131	0.058	0.583	0.525	0.233
TBJB35V020L□#00V++	B	3.3	20	1.3	0.66	6.6	13.2	6	9	10	0.085	0.256	0.230	0.102	0.332	0.299	0.133
TBJA475V020C□#00V++	A	4.7	20	4	0.94	9.4	18.8	6	8	10	0.075	0.137	0.123	0.055	0.548	0.493	0.219
TBJA475V020L□#00V++	A	4.7	20	1.8	0.94	9.4	18.8	6	8	10	0.075	0.204	0.184	0.082	0.367	0.331	0.147
TBJB475V020C□#00V++	B	4.7	20	3	0.94	9.4	18.8	6	8	10	0.085	0.168	0.151	0.067	0.505	0.454	0.202
TBJB475V020L□#00V++	B	4.7	20	0.75	0.94	9.4	18.8	6	9	10	0.085	0.337	0.303	0.135	0.252	0.227	0.101
TBJC475V020C□#00V++	C	4.7	20	3	0.94	9.4	11.28	6	8	9	0.110	0.191	0.172	0.077	0.574	0.517	0.230
TBJA685V020L□#00V++	A	6.8	20	1	1.36	13.6	27.2	6	9	10	0.075	0.274	0.246	0.110	0.274	0.246	0.110
TBJB685V020C□#00V++	B	6.8	20	2.5	1.36	13.6	27.2	6	8	10	0.085	0.184	0.166	0.074	0.461	0.415	0.184
TBJB685V020L□#00V++	B	6.8	20	0.6	1.36	13.6	27.2	6	9	10	0.085	0.376	0.339	0.151	0.226	0.203	0.090
TBJC685V020C□#00V++	C	6.8	20	2.4	1.36	13.6	16.32	6	9	9	0.110	0.193	0.193	0.086	0.514	0.462	0.206
TBJC685V020L□#00V++	C	6.8	20	0.7	1.36	13.6	27.2	6	9	10	0.110	0.396	0.357	0.159	0.277	0.250	0.111
TBJB106V020C□#00V++	B	10	20	2.1	2	20	40	6	8	10	0.085	0.201	0.181	0.080	0.422	0.380	0.169
TBJB106V020L□#00V++	B	10	20	1	2	20	40	6	8	10	0.085	0.292	0.262	0.117	0.292	0.262	0.117
TBJC106V020C□#00V++	C	10	20	1.9	2	20	40	6	8	10	0.110	0.241	0.217	0.096	0.457	0.411	0.183
TBJC106V020L□#00V++	C	10	20	0.5	2	20	40	6	9	10	0.110	0.469	0.422	0.188	0.235	0.211	0.094
TBJB156V020C□#00V++	B	15	20	2	3	30	60	6	8	10	0.085	0.206	0.186	0.082	0.412	0.371	0.165
TBJB156V020L□#00V++	B	15	20	0.5	3	30	60	6	9	10	0.085	0.412	0.371	0.165	0.206	0.186	0.082
TBJC156V020C□#00V++	C	15	20	1.7	3	30	60	6	8	10	0.110	0.254	0.229	0.102	0.432	0.389	0.173
TBJC156V020L□#00V++	C	15	20	0.4	3	30	60	6	8	10	0.110	0.524	0.472	0.210	0.210	0.189	0.084
TBD156V020C□#00V++	D	15	20	1.1	3	30	36	6	8	9	0.150	0.369	0.332	0.148	0.406	0.366	0.162
TBJB226V020C□#00V++	B	22	20	0.6	4.4	44	88	6	9	10	0.085	0.376	0.339	0.151	0.226	0.203	0.090
TBJB226V020L□#00V++	B	22	20	0.4	4.4	44	88	6	9	10	0.085	0.461	0.415	0.184	0.420	0.378	0.168
TBJC226V020C□#00V++	C	22	20	1.6	4.4	44	88	6	8	10	0.110	0.262	0.236	0.105	0.420	0.378	0.168
TBJC226V020L□#00V++	C	22	20	0.15	4.4	44	88	6	8	10	0.110	0.856	0.771	0.343	0.128	0.116	0.051
TBD226V020C□#00V++	D	22	20	0.9	4.4	44	52.8	6	9	9	0.150	0.408	0.367	0.163	0.367	0.331	0.147
TBD226V020L□#00V++	D	22	20	0.2	4.4	44	88	6	9	10	0.150	0.866	0.779	0.346	0.173	0.156	0.069
TBJC336V020C□#00V++	C	33	20	1.5	6.6	66	132	6	8	10	0.110	0.271	0.244	0.108	0.406	0.366	0.162

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.

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4										Typical RMS Ripple Data by Rating											
		Cap @ 120Hz µF @ 25°C		DC Rated Voltage V @ +85°C	ESR @ 100kHz Ohms @ +25°C	DCL max		DF Max		Power Dissipation W		25°C		85°C		125°C		25°C		85°C		125°C	
						+25°C (µA)	+85°C (µA)	+25°C (%)	(+85/125)°C (%)			Ripple Current A (100kHz)	Ripple Current A (100kHz)	Ripple Current A (100kHz)	Ripple Current A (100kHz)	Ripple Voltage V (100kHz)	Ripple Voltage V (100kHz)	Ripple Voltage V (100kHz)	Ripple Voltage V (100kHz)				
AVX	COTS-Plus P/N	Case																					
	TBJC336*020L□#60V++	C	33	20	0.3	6.6	66	132	6	9	10	0.110	0.545	0.242	0.182	0.163	0.163	0.163	0.163	0.163	0.163	0.163	
	TBJD336*020CL□#60V++	D	33	20	0.9	6.6	66	132	6	8	10	0.150	0.408	0.367	0.163	0.150	0.331	0.331	0.331	0.331	0.147		
	TBJD336*020L□#60V++	D	33	20	0.1	6.6	66	132	6	8	10	0.150	1.225	1.102	0.490	0.122	0.110	0.110	0.110	0.110	0.049		
	TBJD476*020CL□#60V++	D	47	20	0.2	9.4	94	188	6	8	10	0.150	0.866	0.779	0.346	0.173	0.156	0.156	0.156	0.156	0.069		
	TBJD476*020L□#60V++	D	47	20	0.1	9.4	94	188	6	8	10	0.150	1.225	1.102	0.490	0.122	0.110	0.110	0.110	0.110	0.049		
	TBJE476*020CL□#60V++	E	47	20	0.25	9.4	94	188	6	8	8	0.165	0.812	0.731	0.325	0.203	0.183	0.183	0.183	0.183	0.081		
	TBJE476*020L□#60V++	E	47	20	0.07	9.4	94	188	6	9	10	0.165	1.382	0.614	0.107	0.097	0.097	0.097	0.097	0.097	0.043		
	TBJD686*020CL□#60V++	D	68	20	0.9	13.6	136	272	6	8	10	0.150	0.408	0.367	0.163	0.150	0.331	0.331	0.331	0.331	0.147		
	TBJD686*020L□#60V++	D	68	20	0.07	13.6	136	272	6	8	10	0.150	1.464	1.317	0.586	0.102	0.092	0.092	0.092	0.092	0.041		
	TBJE686*020CL□#60V++	E	68	20	0.9	13.6	136	272	6	8	10	0.165	0.428	0.385	0.171	0.385	0.347	0.347	0.347	0.347	0.154		
	TBJE686*020L□#60V++	E	68	20	0.15	13.6	136	272	6	8	10	0.165	1.049	0.944	0.420	0.157	0.142	0.142	0.142	0.142	0.063		
	TBJD107*020CL□#60V++	D	100	20	0.1	20	200	400	6	9	10	0.150	1.225	1.102	0.490	0.122	0.110	0.110	0.110	0.110	0.049		
	TBJD107*020L□#60V++	D	100	20	0.085	20	200	400	6	9	10	0.150	1.328	1.196	0.531	0.113	0.102	0.102	0.102	0.102	0.045		
	TBJE107*020CL□#60V++	E	100	20	0.15	20	200	400	6	9	10	0.165	1.049	0.944	0.420	0.157	0.142	0.142	0.142	0.142	0.063		
	TBJE107*020L□#60V++	E	100	20	0.1	20	200	400	6	9	10	0.165	1.285	1.156	0.514	0.128	0.116	0.116	0.116	0.116	0.051		
	TBJV107*020CL□#60V++	V	100	20	0.2	20	200	400	8	10	12	0.250	1.118	1.006	0.447	0.224	0.201	0.201	0.201	0.201	0.089		
	TBJV107*020L□#60V++	V	100	20	0.085	20	200	400	8	10	12	0.250	1.715	1.543	0.686	0.146	0.131	0.131	0.131	0.131	0.058		
	TBJE157*020CL□#60V++	E	150	20	0.3	30	300	600	8	10	10	0.165	0.742	0.667	0.297	0.222	0.200	0.200	0.200	0.200	0.089		
	TBJE157*020L□#60V++	E	150	20	0.08	30	300	600	8	10	12	0.250	1.768	1.591	0.707	0.141	0.127	0.127	0.127	0.127	0.057		
	TBJA334*025CL□#60V++	A	0.33	25	15	0.083	0.825	0.99	4	6	6	0.075	0.071	0.064	0.028	1.061	0.955	0.955	0.955	0.955	0.424		
	TBJA474*025CL□#60V++	A	0.47	25	14	0.118	1.175	1.41	4	6	6	0.075	0.073	0.066	0.029	1.025	0.922	0.922	0.922	0.922	0.410		
	TBJA474*025L□#60V++	A	0.47	25	7	0.118	1.175	2.35	4	6	6	0.075	0.104	0.093	0.041	0.725	0.652	0.652	0.652	0.652	0.290		
	TBJA684*025CL□#60V++	A	0.68	25	10	0.68	6.8	13.6	4	6	8	0.075	0.087	0.078	0.035	0.866	0.779	0.779	0.779	0.779	0.346		
	TBJA684*025L□#60V++	A	0.68	25	6	0.17	1.7	3.4	4	6	6	0.075	0.112	0.101	0.045	0.671	0.604	0.604	0.604	0.604	0.268		
	TBJB684*025CL□#60V++	B	0.68	25	7.5	0.17	1.7	2.04	4	6	6	0.085	0.106	0.096	0.043	0.798	0.719	0.719	0.719	0.719	0.319		
	TBJA105*025CL□#60V++	A	1	25	8	0.25	2.5	5	4	6	6	0.075	0.097	0.087	0.039	0.775	0.697	0.697	0.697	0.697	0.310		
	TBJB105*025CL□#60V++	B	1	25	6.5	0.25	2.5	3	4	6	6	0.085	0.114	0.103	0.046	0.743	0.669	0.669	0.669	0.669	0.297		
	TBJA155*025CL□#60V++	A	1.5	25	7.5	0.375	3.75	7.5	6	8	10	0.075	0.100	0.090	0.040	0.750	0.675	0.675	0.675	0.675	0.300		
	TBJA155*025L□#60V++	A	1.5	25	3	0.375	3.75	7.5	6	8	10	0.075	0.158	0.142	0.063	0.474	0.427	0.427	0.427	0.427	0.190		
	TBJB155*025CL□#60V++	B	1.5	25	6.5	0.375	3.75	4.5	6	8	9	0.085	0.114	0.103	0.046	0.743	0.669	0.669	0.669	0.669	0.297		
	TBJB155*025L□#60V++	B	1.5	25	1.8	0.375	3.75	7.5	6	8	9	0.085	0.217	0.196	0.087	0.391	0.352	0.352	0.352	0.352	0.156		
	TBJB225*025CL□#60V++	B	2.2	25	4.5	0.55	5.5	11	6	8	10	0.085	0.137	0.124	0.055	0.618	0.557	0.557	0.557	0.557	0.247		
	TBJB225*025L□#60V++	B	2.2	25	0.9	0.55	5.5	11	6	8	9	0.085	0.307	0.277	0.123	0.277	0.249	0.249	0.249	0.249	0.111		
	TBJC225*025CL□#60V++	C	2.2	25	3.5	0.55	5.5	6.6	6	8	9	0.110	0.177	0.160	0.071	0.620	0.558	0.558	0.558	0.558	0.248		
	TBJA335*025CL□#60V++	A	3.3	25	1.5	0.825	8.25	16.5	6	9	10	0.075	0.224	0.201	0.089	0.335	0.302	0.302	0.302	0.302	0.134		
	TBJA335*025L□#60V++	A	3.3	25	1	0.825	8.25	16.5	6	9	10	0.075	0.274	0.246	0.110	0.274	0.246	0.246	0.246	0.246	0.118		
	TBJB335*025CL□#60V++	B	3.3	25	3.5	0.825	8.25	16.5	6	8	10	0.085	0.156	0.140	0.082	0.545	0.491	0.491	0.491	0.491	0.218		
	TBJB335*025L□#60V++	B	3.3	25	0.75	0.825	8.25	16.5	6	9	10	0.085	0.337	0.303	0.135	0.252	0.227	0.227	0.227	0.227	0.101		
	TBJC335*025CL□#60V++	C	3.3	25	3.5	0.825	8.25	9.9	6	8	9	0.110	0.177	0.160	0.071	0.620	0.558	0.558	0.558	0.558	0.248		
	TBJA475*025CL□#60V++	A	4.7	25	2.8	1.175	11.75	23.5	6	8	10	0.075	0.164	0.147	0.065	0.458	0.412	0.412	0.412	0.412	0.183		
	TBJB475*025CL□#60V++	B	4.7	25	2.8	1.175	11.75	23.5	6	8	10	0.085	0.174	0.157	0.070	0.488	0.439	0.439	0.439	0.439	0.183		
	TBJB475*025L□#60V++	B	4.7	25	1.5	1.175	11.75	23.5	6	8	10	0.085	0.238	0.214	0.095	0.357	0.321	0.321	0.321	0.321	0.143		
	TBJC475*025CL□#60V++	C	4.7	25	2.5	1.175	11.75	14.1	6	8	9	0.110	0.210	0.189	0.084	0.524	0.472	0.472	0.472	0.472	0.210		
	TBJB685*025CL□#60V++	B	6.8	25	2.8	1.7	17	34	6	8	10	0.085	0.174	0.157	0.070	0.488	0.439	0.439	0.439	0.439	0.195		
	TBJB685*025L□#60V++	B	6.8	25	0.7	1.7	17	34	6	8	10	0.085	0.348	0.314	0.139	0.244	0.220	0.220	0.220	0.220	0.098		
	TBJC685*025CL□#60V++	C	6.8	25	2	1.7	17	34	6	8	10	0.110	0.235	0.211	0.094	0.469	0.422	0.422	0.422	0.422	0.188		
	TBJB685*025L□#60V++	C	6.8	25	0.5	1.7	17	34	6	9	10	0.110	0.469	0.422	0.188	0.235	0.211	0.211	0.211	0.211	0.188		
	TBJD685*025CL□#60V++	D	6.8	25	1.4	1.7	17	20.4	6	9	9	0.150	0.327	0.295	0.131	0.458	0.412	0.412	0.412	0.412	0.183		
	TBJC106*025CL□#60V++	C	10	25	1.8	2.5	25	50	6	8	10	0.110	0.247	0.222	0.099	0.445	0.400	0.400	0.400	0.400	0.178		
	TBJC106*025L□#60V++	C	10	25	0.5	2.5	25	50	6	8	10	0.110	0.469	0.422	0.188	0.235	0.211	0.211	0.211	0.211	0.178		
	TBJD106*025CL□#60V++	D	10	25	1.2	2.5	25	30	6	8	9	0.150	0.354	0.318	0.141	0.424	0.382	0.382	0.382	0.382	0.170		
	TBJC156*025CL□#60V++	C	15	25	0.3	3.75	37.5	75	6	8	9	0.110	0.606	0.545	0.242	0.182	0.163	0.163	0.163	0.163	0.073		
	TBJC156*025L□#60V++	C	15	25	0.22	3.75	37.5	75	6	8	9	0.110	0.707	0.636	0.283	0.156	0.140	0.140	0.140	0.140	0.062		
	TBJD156*025CL□#60V++	D	15	25	1	3.75	37.5	45	6	8	9	0.150	0.387	0.349	0.155	0.387	0.349	0.349	0.349	0.349	0.155		
	TBJD156*025L□#60V++	D	15	25	0.3	3.75	37.5	75	6	8	9	0.150	0.707	0.636	0.283	0.212	0.191	0.191	0.191	0.191	0.085		
	TBJC226*025CL□#60V++	C	22	25	1.4	5.5	55	110	6	8	9	0.110	0.280	0.252	0.112	0.392	0.353	0.353	0.353	0.353	0.157		

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.

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4										Typical RMS Ripple Data by Rating																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		DC Rated Voltage					ESR @ 100kHz					DOL max					DF Max (+85/125)°C					Power Dissipation					25°C					85°C					125°C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		Cap @ 120Hz	µF @ 25°C	V @ +25°C	Ohms @ +25°C	+25°C (µA)	+125°C (µA)	+25°C (%)	+85°C (%)	-55°C (%)	W (100kHz)	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current	A (100kHz)	Ripple Current

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4										Typical RMS Ripple Data by Rating									
		DC Rated Voltage				ESR @ 100kHz		DCL max		DF Max (85/125)°C		Power Dissipation		25°C		85°C		125°C			
		Cap @ 120Hz	µF @ 25°C	Ohms @ +85°C	µA	+125°C (µA)	+25°C (%)	-55°C (%)	W	A (100kHz)	A (100kHz)	V (100kHz)	A (100kHz)	V (100kHz)	A (100kHz)	V (100kHz)					
AVX COTS-Plus P/N	Case	TBJD885*035CJ#000++	D	6.8	35	1.3	2.38	23.8	28.56	6	9	9	0.150	0.340	0.306	0.136	0.442	0.397	0.177		
TBJD885*035LJ#000++	D	6.8	35	0.5	2.38	23.8	47.6	6	9	9	9	0.150	0.548	0.493	0.219	0.274	0.246	0.110			
TBJC106*035CJ#000++	C	10	35	1.6	3.5	35	70	6	9	9	9	0.110	0.262	0.236	0.105	0.420	0.378	0.168			
TBJC106*035LJ#000++	C	10	35	0.6	3.5	35	70	6	9	9	9	0.110	0.428	0.385	0.171	0.257	0.231	0.103			
TBJD106*035CJ#000++	D	10	35	1	3.5	35	70	6	9	9	9	0.150	0.387	0.349	0.155	0.387	0.349	0.155			
TBJD106*035LJ#000++	D	10	35	0.3	3.5	35	70	6	9	9	9	0.150	0.707	0.636	0.283	0.212	0.191	0.085			
TBJE106*035CJ#000++	E	10	35	0.25	3.5	35	70	6	9	10	10	0.165	0.812	0.731	0.325	0.203	0.183	0.081			
TBJE106*035LJ#000++	E	10	35	0.2	3.5	35	70	6	9	10	10	0.165	0.908	0.817	0.363	0.182	0.163	0.073			
TBJC156*035CJ#000++	C	15	35	1.4	5.25	52.5	105	6	9	9	9	0.110	0.280	0.252	0.112	0.392	0.363	0.157			
TBJC156*035LJ#000++	C	15	35	0.35	5.25	52.5	105	6	9	10	10	0.110	0.561	0.505	0.224	0.196	0.177	0.078			
TBJD156*035CJ#000++	D	15	35	0.9	5.25	52.5	105	6	9	9	9	0.150	0.408	0.367	0.163	0.367	0.331	0.147			
TBJD156*035LJ#000++	D	15	35	0.3	5.25	52.5	105	6	9	9	9	0.150	0.707	0.636	0.283	0.212	0.191	0.085			
TBJD226*035CJ#000++	D	22	35	0.9	7.7	77	154	6	9	9	9	0.150	0.408	0.367	0.163	0.367	0.331	0.147			
TBJD226*035LJ#000++	D	22	35	0.4	7.7	77	154	6	9	9	9	0.150	0.612	0.551	0.245	0.245	0.220	0.098			
TBJE226*035CJ#000++	E	22	35	0.9	7.7	77	154	6	9	9	9	0.165	0.428	0.385	0.171	0.385	0.347	0.154			
TBJE226*035LJ#000++	E	22	35	0.3	7.7	77	154	6	9	9	9	0.165	0.742	0.667	0.297	0.222	0.200	0.089			
TBJD336*035CJ#000++	D	33	35	0.9	11.55	115.5	231	6	9	9	9	0.150	0.408	0.367	0.163	0.367	0.331	0.147			
TBJD336*035LJ#000++	D	33	35	0.3	11.55	115.5	231	6	9	9	9	0.150	0.707	0.636	0.283	0.212	0.191	0.085			
TBJE336*035CJ#000++	E	33	35	0.25	11.55	115.5	231	6	9	10	10	0.165	0.812	0.731	0.325	0.203	0.183	0.081			
TBJE336*035LJ#000++	E	33	35	0.1	11.55	115.5	231	6	8	9	10	0.165	1.285	1.156	0.514	0.128	0.116	0.051			
TBJE476*035CJ#000++	E	47	35	0.25	16.45	164.5	329	6	8	10	10	0.165	0.812	0.731	0.325	0.203	0.183	0.081			
TBJE476*035LJ#000++	E	47	35	0.2	16.45	164.5	329	6	9	9	9	0.165	0.908	0.817	0.363	0.182	0.163	0.073			
TBJV476*035CJ#000++	V	47	35	0.4	16.45	164.5	329	6	9	10	10	0.250	0.791	0.712	0.316	0.250	0.285	0.126			
TBJV476*035LJ#000++	V	47	35	0.2	16.45	164.5	329	6	10	10	10	0.250	1.118	1.006	0.447	0.224	0.201	0.089			
TBJV686*035CJ#000++	V	68	35	0.2	23.8	238	476	6	9	10	10	0.250	1.118	1.006	0.447	0.224	0.201	0.089			
TBJV686*035LJ#000++	V	68	35	0.15	23.8	238	476	6	9	10	10	0.250	1.291	1.162	0.516	0.194	0.174	0.077			
TBJA104*050CJ#000++	A	0.15	50	22	0.05	0.5	0.6	6	8	8	8	0.075	0.058	0.053	0.023	1.285	1.156	0.514			
TBJA154*050CJ#000++	A	0.15	50	21	0.02	0.2	0.4	4	6	6	6	0.075	0.060	0.054	0.024	1.255	1.129	0.502			
TBJA154*050LJ#000++	A	0.15	50	9	0.075	0.75	1.5	4	6	6	6	0.075	0.091	0.082	0.037	0.822	0.739	0.329			
TBJB154*050CJ#000++	B	0.15	50	17	0.075	0.75	0.9	4	6	6	6	0.085	0.071	0.064	0.028	1.202	1.082	0.481			
TBJA224*050CJ#000++	A	0.22	50	18	0.11	1.1	2.2	4	6	6	6	0.075	0.065	0.058	0.026	1.162	1.046	0.465			
TBJA224*050LJ#000++	A	0.22	50	7	0.11	1.1	2.2	4	6	6	6	0.075	0.104	0.093	0.041	1.091	0.982	0.436			
TBJB224*050CJ#000++	B	0.22	50	14	0.11	1.1	1.32	4	6	6	6	0.085	0.078	0.070	0.031	1.091	0.982	0.436			
TBJB224*050LJ#000++	B	0.22	50	12	0.165	1.65	1.98	4	6	6	6	0.085	0.084	0.076	0.034	1.010	0.909	0.404			
TBJB334*050CJ#000++	B	0.33	50	8	0.235	2.35	2.82	4	6	6	6	0.110	0.117	0.106	0.047	0.938	0.844	0.375			
TBJC474*050CJ#000++	C	0.47	50	7.9	0.34	3.4	6.8	4	6	8	8	0.075	0.097	0.088	0.039	0.770	0.693	0.308			
TBJA684*050CJ#000++	A	0.68	50	7	0.34	3.4	4.08	4	6	6	6	0.110	0.125	0.113	0.050	0.877	0.790	0.351			
TBJC684*050CJ#000++	C	0.68	50	7	0.34	3.4	4.08	4	6	6	6	0.110	0.125	0.113	0.050	0.877	0.790	0.351			
TBJC105*050CJ#000++	C	1	50	6	0.5	5	6	4	6	6	6	0.110	0.135	0.122	0.054	0.812	0.731	0.325			
TBJC105*050LJ#000++	C	1	50	2.5	0.5	5	10	4	6	6	6	0.110	0.210	0.189	0.084	0.524	0.472	0.210			
TBJC155*050CJ#000++	C	1.5	50	5	0.75	7.5	15	6	8	9	9	0.110	0.148	0.133	0.059	0.742	0.667	0.297			
TBJC155*050LJ#000++	C	1.5	50	1.5	0.75	7.5	15	6	8	9	10	0.110	0.271	0.244	0.108	0.406	0.366	0.162			
TBJD155*050CJ#000++	D	1.5	50	4	0.75	7.5	6	8	9	9	9	0.150	0.194	0.174	0.077	0.775	0.697	0.310			
TBJD225*050CJ#000++	D	2.2	50	2.5	1.1	11	13.2	6	8	8	9	0.150	0.245	0.220	0.098	0.612	0.551	0.245			
TBJD225*050LJ#000++	D	2.2	50	1.2	1.1	11	22	6	9	10	10	0.150	0.354	0.318	0.141	0.424	0.382	0.170			
TBJD335*050CJ#000++	D	3.3	50	2	1.65	16.5	19.8	6	9	9	9	0.150	0.274	0.246	0.110	0.548	0.493	0.219			
TBJD335*050LJ#000++	D	3.3	50	0.8	1.65	16.5	33	6	9	10	10	0.150	0.433	0.390	0.173	0.346	0.312	0.139			
TBJD475*050CJ#000++	D	4.7	50	1.5	2.35	23.5	28.2	6	9	9	9	0.150	0.316	0.285	0.126	0.474	0.427	0.190			
TBJD475*050LJ#000++	D	4.7	50	0.3	2.35	23.5	47	6	9	9	9	0.150	0.707	0.636	0.283	0.212	0.191	0.085			
TBJD885*050CJ#000++	D	6.8	50	1	3.4	34	68	6	9	9	9	0.150	0.387	0.349	0.155	0.387	0.349	0.155			
TBJD885*050LJ#000++	D	6.8	50	0.5	3.4	34	68	6	9	9	9	0.150	0.548	0.493	0.219	0.274	0.246	0.110			
TBJE106*050CJ#000++	E	10	50	0.5	5	50	100	6	9	10	10	0.165	0.574	0.517	0.230	0.287	0.259	0.115			
TBJE106*050LJ#000++	E	10	50	0.4	5	50	100	6	9	10	10	0.165	0.642	0.578	0.257	0.257	0.231	0.103			

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.

TBJ Series

COTS-Plus



RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating per MIL-PRF-55365/4						Typical RMS Ripple Data by Rating							
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max		DF Max		Power Dissipation	25°C		85°C		125°C	
		µF @ 25°C	@ +85°C	@ +25°C	(µA)	(µA)	(%)	(85/125)°C		Ripple Current	Ripple Voltage	Ripple Current	Ripple Voltage	Ripple Current	Ripple Voltage
AVX COTS-Plus P/N Case			V	Ohms	(µA)	(µA)	(%)		W	A	V	A	V	A	V
TBJV106*050C□□#00++		10	50	0.65	5	100	3		0.250	0.620	0.403	0.558	0.248	0.200	0.161
TBJD156*050C□□#00++		15	50	0.6	7.5	150	4	6	0.150	0.500	0.300	0.450	0.200	0.300	0.120
TBJE156*050C□□#00++		15	50	0.6	7.5	150	8	10	0.165	0.524	0.315	0.472	0.210	0.315	0.126
TBJE156*050L□□#00++		15	50	0.25	7.5	150	6	9	0.165	0.812	0.203	0.731	0.325	0.203	0.081
TBJV226*050C□□#00++		22	50	0.6	11	220	8	10	0.250	0.645	0.387	0.581	0.258	0.387	0.155
TBJV226*050L□□#00++		22	50	0.39	11	220	8	10	0.250	0.801	0.312	0.721	0.320	0.312	0.125

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.



Mouser Electronics

Authorized Distributor

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

AVX:

TBJC156K035CBSB0000	TBJE336K025LWSB0000	TBJC106K025LBDC0824	TBJD337M010LBDC0824
TBJD157K006CBDC0H24	TBJB335K035CRLC0823	TBJD337M010LBDB0H24	TBJD157K010LRDC0H24
TBJB226K020CRLC0823	TBJD226K035LRDC0H23	TBJD107M016LRDC0823	TBJD106K035CBSC0700
TBJD107M010LBSZ0H00	TBJB106K020CRDC0H45	TBJC475K020CBSC0824	TBJB106M016LRSZ0700
TBJA105K025CRDB0800	TBJA105K035CRSZ0H00	TBJD106K035CWSC0700	TBJB106K010CRSB0H24
TBJV157K016LBLC0845	TBJC226K020CRSZ0H00	TBJC106K035CRSZ0H00	TBJD336K035LSLC0800
TBJA106K010LBDC0H23	TBJD476M025LBDC0824	TBJC106K020CBSB0000	TBJD686K016CBLC0000
TBJC107K010LRLB0000	TBJD337K010LRDC0H24	TBJV107M020LBSZ0700	TBJC686K010LRDC0H24
TBJD157M016LBSZ0700	TBJD106M035LRSZ0H00	TBJD476K025LRLC0045	TBJC106K025CBSC0823
TBJB156M016LRSZ0000	TBJD336M035CRSB0800	TBJB475M035CWSZ0H00	TBJD335K050LBSB0823
TBJD107K010LRSB0924	TBJE156J050LRSB0724	TBJE227K010LBDC0945	TBJD476K025LBSZ0800
TBJE226K035LRDB0H23	TBJD157M016LRDC0824	TBJD686K020LSSC0824	TBJE227K010LRDC0845
TBJB336K016LBSZ0H00	TBJB336K016LRSZ0H00	TBJC226M020LRSZ0024	TBJB106K010CRSB0H45
TBJE156K050LRSB0723	TBJC476K010LRLC0845	TBJD106K025CRLB0024	TBJB156K016LSLB0723
TBJC106M025CBSC0H00	TBJA475K010CRDC0H23	TBJB106K020LRSC0824	TBJC105K050LRSC0845
TBJC476K016CRSC0823	TBJE157K016LBSZ0000	TBJB106K020LBDB0823	TBJC685K035CRSC0823
TBJD106K035LBDC0H24	TBJB475K035CWSC0823	TBJC105K050LBSB0023	TBJE477K010LBSZ0800
TBJB106K016LRSB0024	TBJC476K016CBLB0H45	TBJE336K025LRSB0723	TBJD336K025LRDC0H24
TBJC476K010LBLC0845	TBJA106K010LRSZ0800	TBJE337K010CRDB0845	TBJC106K025LRDC0H24
TBJD336M035LBSZ0024	TBJB475M035CSSZ0H00	TBJE477K006LRLC0045	TBJE337K010LBSC0H45
TBJA106M010LBDC0H24	TBJE337K010LBSC0845	TBJC106K035CRSZ0700	TBJE226K035LRDC0H23
TBJC107K010LBDC0H23	TBJD476M025LRDC0824	TBJD156K035LRDC0H24	TBJB106K016CBSZ0900
TBJD337M010LRLC0024	TBJD336M035LRSB0924	TBJB336K016LWSZ0H00	TBJE686K020LRSB0824
TBJV157K016LSLZ0023	TBJB336K010CRSB0H00	TBJD685M035CRSB0800	TBJA226M006LRSC0000
TBJB106K010CRSB0H23	TBJC475K035LRLB0H23	TBJD106K035CSSC0700	TBJD106K035LRSB0H45