

TBJ Series



COTS-Plus



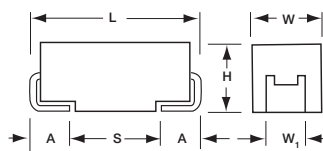
The TBJ COTS-Plus series, based on the CWR11 form factor, is a high reliability series encompassing the current range of EIA Low ESR ratings. These ratings are available with Weibull grading (B and C), surge current testing (A, B, C) per MIL-PRF-55365 Rev. G, and optional Group A from MIL-PRF-55365.

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)

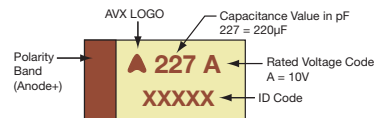


Code	EIA Code	EIA Metric	L±0.20 (0.008)	W+0.20 (0.008) -0.10 (0.004)	H+0.20 (0.008) -0.10 (0.004)	W ₁ ±0.20 (0.008)	A+0.30 (0.012) -0.20 (0.008)	S Min.
A	1206	3216-18	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
B	1210	3528-21	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (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



For RoHS compliant products, please select correct termination style.

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(2800) 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)	B(1500, 2300) 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.

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	+25°C	+85°C	+125°C	+25°C	-55°C	Power Dissipation	25°C	85°C	125°C	25°C	85°C	125°C	
	µF @ +25°C	V @ +85°C	Ohms @ +25°C	(µA) @ +85°C	(%) @ +85/125°C	(µA)	(µA)	(µA)	(100kHz)	(%)	W	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)	
AVX COTS-Plus P/N	Case																	
TBJ157*002L#00++	B	150	2	0.15	3	60	30	60	10	12	14	0.085	0.753	0.677	0.301	0.113	0.102	0.045
TBJ227*002CL#00++	B	220	2	0.2	4.4	88	44	88	16	19	21	0.085	0.682	0.587	0.261	0.130	0.117	0.052
TBJ227*002LL#00++	B	220	2	0.15	4.4	88	44	88	16	19	21	0.085	0.753	0.677	0.301	0.113	0.102	0.045
TBJD227*002LL#00++	D	220	2	0.045	4.4	88	44	88	8	10	12	0.150	1.826	1.643	0.730	0.082	0.074	0.033
TBJD477*002LL#00++	D	470	2	0.035	9.4	94	94	188	8	10	12	0.150	2.070	1.863	0.828	0.072	0.065	0.029
TBJD687*002CL#00++	D	680	2	0.05	13.6	136	136	272	16	19	21	0.150	1.732	1.559	0.693	0.087	0.078	0.035
TBJD687*002LL#00++	D	680	2	0.035	13.6	136	136	272	16	19	21	0.150	2.070	1.863	0.828	0.072	0.065	0.029
TBJE687*002CL#00++	E	680	2	0.05	13.6	136	136	272	10	12	14	0.165	1.817	1.635	0.727	0.091	0.082	0.036
TBJE687*002LL#00++	E	680	2	0.035	13.6	136	136	272	10	12	14	0.165	2.171	1.954	0.868	0.076	0.068	0.030
TBJE108*002CL#00++	E	1000	2	0.04	20	200	200	400	14	17	20	0.165	1.828	1.635	0.727	0.091	0.082	0.036
TBJE108*002LL#00++	E	1000	2	0.03	20	200	200	400	14	17	20	0.165	2.345	2.111	0.938	0.070	0.063	0.028
TBJD158*002LL#00++	D	1500	2	0.1	30	300	300	600	20	24	28	0.165	1.225	1.102	0.490	0.122	0.110	0.049
TBJE158*002LL#00++	E	1500	2	0.05	30	300	300	600	20	24	28	0.165	1.817	1.635	0.727	0.091	0.082	0.036
TBJV158*002CL#00++	V	1500	2	0.04	30	300	300	600	20	24	28	0.250	2.500	2.250	1.000	0.100	0.090	0.040
TBJV158*002LL#00++	V	1500	2	0.03	30	300	300	600	20	24	28	0.250	2.887	2.598	1.155	0.075	0.078	0.035
TBJA25*004C#00++	A	2.2	4	8	0.088	0.88	1.76	3.52	6	9	9	0.075	0.097	0.087	0.039	0.075	0.069	0.310
TBJA475*004C#00++	A	4.7	4	8	0.188	1.88	3.76	7.52	6	9	9	0.075	0.097	0.087	0.039	0.075	0.069	0.310
TBJB685*004C#00++	B	6.8	4	5.5	0.272	2.72	5.44	10.88	6	9	9	0.085	0.124	0.112	0.050	0.084	0.615	0.273
TBJB106*004C#00++	B	10	4	4	0.4	4	4	4	6	9	9	0.085	0.146	0.131	0.058	0.083	0.525	0.233
TBJB156*004C#00++	B	15	4	3.5	0.6	6	6	6	6	9	9	0.085	0.156	0.140	0.062	0.082	0.545	0.491
TBJA336*004C#00++	A	33	4	3	1.32	13.2	26.4	52.8	8	10	12	0.075	0.387	0.349	0.155	0.194	0.174	0.077
TBJC336*004C#00++	C	33	4	2.2	1.32	13.2	26.4	52.8	6	9	9	0.110	0.224	0.201	0.089	0.492	0.443	0.197
TBJA476*004LL#00++	A	47	4	0.5	1.88	18.8	37.6	75.2	8	10	12	0.075	0.387	0.349	0.155	0.194	0.174	0.077
TBJC686*004C#00++	C	68	4	1.6	2.72	27.2	54.4	108.8	6	9	10	0.150	0.236	0.236	0.105	0.378	0.378	0.168
TBJD686*004C#00++	D	68	4	1.1	2.72	27.2	54.4	108.8	6	9	10	0.150	0.369	0.332	0.148	0.406	0.366	0.162
TBJA107*004C#00++	A	100	4	1.4	4	4	4	4	30	36	42	0.075	0.231	0.208	0.093	0.324	0.292	0.130
TBJB107*004C#00++	B	100	4	1.6	4	4	4	4	30	36	42	0.085	0.230	0.207	0.093	0.324	0.292	0.130
TBJB107*004LL#00++	B	100	4	0.2	4	4	4	4	8	10	12	0.085	0.632	0.587	0.261	0.130	0.117	0.052
TBJB157*004C#00++	B	150	4	0.25	6	60	120	240	10	12	12	0.085	0.583	0.525	0.233	0.146	0.131	0.058
TBJC157*004C#00++	C	150	4	0.08	6	60	120	240	6	9	10	0.110	1.173	1.056	0.469	0.094	0.084	0.038
TBJC157*004LL#00++	C	150	4	0.07	6	60	120	240	6	9	10	0.110	1.254	1.128	0.501	0.088	0.079	0.035
TBJD227*004C#00++	D	220	4	0.9	8.8	88	176	352	8	10	12	0.150	0.408	0.367	0.163	0.367	0.331	0.147
TBJD227*004LL#00++	D	220	4	0.04	8.8	88	176	352	8	10	12	0.150	1.936	1.743	0.775	0.077	0.070	0.031
TBJC337*004LL#00++	C	330	4	0.1	13.2	132	264	528	8	10	12	0.110	1.049	0.944	0.420	0.105	0.094	0.042
TBJD337*004C#00++	D	330	4	0.045	13.2	132	264	528	8	10	12	0.150	1.826	1.643	0.730	0.082	0.074	0.033
TBJD337*004LL#00++	D	330	4	0.035	13.2	132	264	528	8	10	12	0.150	2.070	1.863	0.828	0.072	0.065	0.029
TBJD477*004C#00++	D	470	4	0.1	18.8	188	376	752	12	14	16	0.150	1.225	1.102	0.490	0.122	0.110	0.049
TBJD477*004LL#00++	D	470	4	0.045	18.8	188	376	752	12	14	16	0.150	1.826	1.643	0.730	0.082	0.074	0.033
TBJE477*004LL#00++	E	470	4	0.035	18.8	188	376	752	12	14	16	0.165	2.171	1.954	0.868	0.076	0.068	0.030
TBJD687*004C#00++	D	680	4	0.06	27.2	272	544	1088	14	17	20	0.150	1.581	1.423	0.632	0.095	0.085	0.038
TBJD687*004LL#00++	D	680	4	0.045	27.2	272	544	1088	14	17	20	0.150	1.826	1.643	0.730	0.082	0.074	0.033
TBJE687*004C#00++	E	680	4	0.06	27.2	272	544	1088	14	17	20	0.165	1.658	1.492	0.663	0.099	0.090	0.040
TBJE687*004LL#00++	E	680	4	0.04	27.2	272	544	1088	14	17	20	0.165	2.031	1.828	0.812	0.081	0.073	0.032
TBJE108*004LL#00++	E	1000	4	0.06	40	400	800	1600	14	17	20	0.165	1.658	1.492	0.663	0.099	0.090	0.040
TBJV108*004C#00++	V	1000	4	0.035	40	400	800	1600	16	19	21	0.250	2.673	2.405	1.089	0.094	0.084	0.037
TBJV108*004LL#00++	V	1000	4	0.025	40	400	800	1600	16	19	21	0.250	3.162	2.846	1.265	0.079	0.071	0.032
TBJE158*004C#00++	E	1500	4	0.075	60	600	1200	2400	30	36	42	0.165	1.483	1.335	0.593	0.111	0.100	0.044
TBJE158*004LL#00++	E	1500	4	0.05	60	600	1200	2400	30	36	42	0.165	1.817	1.635	0.727	0.091	0.082	0.036
TBJV158*004C#00++	V	1500	4	0.075	60	600	1200	2400	30	36	42	0.250	1.826	1.643	0.730	0.137	0.123	0.055
TBJV158*004LL#00++	V	1500	4	0.05	60	600	1200	2400	30	36	42	0.250	2.236	2.012	0.894	0.112	0.101	0.045
TBJA155*006C#00++	A	1.5	6	8	0.09	0.9	1.08	1.296	6	9	9	0.075	0.097	0.087	0.039	0.075	0.069	0.310
TBJA25*006C#00++	A	2.2	6	8	0.132	1.564	1.955	2.443	6	9	9	0.075	0.097	0.087	0.039	0.075	0.069	0.310
TBJA335*006C#00++	A	3.3	6	8	0.198	1.98	2.376	2.851	6	9	9	0.075	0.097	0.087	0.039	0.075	0.069	0.310
TBJA475*006C#00++	A	4.7	6	5.5	0.282	2.82	3.384	4.061	6	9	9	0.085	0.124	0.112	0.050	0.084	0.615	0.273
TBJA685*006C#00++	A	6.8	6	5	0.408	4.08	8.16	16.32	6	9	10	0.075	0.122	0.110	0.049	0.612	0.551	0.245
TBJA685*006LL#00++	A	6.8	6	1.8	0.408	4.08	8.16	16.32	6	9	10	0.075	0.204	0.184	0.082	0.367	0.331	0.147

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 @ 25°C	DC Rated Voltage	ESR @ 100kHz	DCL max	+25°C	+85°C	+125°C	+25°C	-55°C	DF Max	Power Dissipation	25°C	85°C	125°C	25°C	85°C	125°C			
AVX COTS-Plus P/N	Case	µF	V	Ohms	(µA)	(µA)	(µA)	(%)	(%)	(%)	W	A	A	A	V	V	V				
TBJB685*006CJ#00++	B	6.8	6	4.5	4.08	4.886	6	9	9	0.085	0.137	0.124	0.055	0.618	0.557	0.247					
TBJA106*006CJ#00++	A	10	6	4	0.6	6	6	9	9	0.075	0.137	0.123	0.055	0.548	0.493	0.219					
TBJA106*006LJ#00++	A	10	6	1.5	0.6	6	6	9	9	0.075	0.137	0.123	0.055	0.548	0.493	0.219					
TBJA106*006CJ#00++	B	10	6	3.5	0.6	6	6	9	9	0.085	0.156	0.140	0.062	0.545	0.491	0.218					
TBJA156*006CJ#00++	A	15	6	3.5	0.9	18	6	6	9	0.075	0.146	0.132	0.059	0.512	0.461	0.205					
TBJA156*006LJ#00++	A	15	6	1.5	0.9	18	6	6	9	0.075	0.146	0.132	0.059	0.512	0.461	0.205					
TBJB156*006CJ#00++	B	15	6	3.5	0.225	2.25	4.5	6	9	0.085	0.156	0.140	0.062	0.545	0.491	0.218					
TBJC156*006CJ#00++	C	15	6	3	0.9	9	10.8	6	6	0.110	0.191	0.172	0.077	0.574	0.517	0.230					
TBJA226*006CJ#00++	A	22	6	3	1.32	13.2	26.4	6	6	0.075	0.158	0.142	0.063	0.474	0.427	0.190					
TBJA226*006LJ#00++	A	22	6	0.5	1.32	13.2	26.4	6	6	0.075	0.158	0.142	0.063	0.474	0.427	0.190					
TBJB226*006CJ#00++	B	22	6	2.5	1.32	13.2	26.4	6	6	0.085	0.184	0.166	0.074	0.461	0.415	0.184					
TBJB226*006LJ#00++	B	22	6	0.375	1.32	13.2	26.4	6	6	0.085	0.184	0.166	0.074	0.461	0.415	0.184					
TBJC226*006CJ#00++	C	22	6	2.2	1.32	13.2	26.4	6	6	0.110	0.224	0.201	0.089	0.492	0.443	0.197					
TBJA336*006LJ#00++	A	33	6	0.6	1.98	19.8	39.6	8	10	0.075	0.354	0.318	0.141	0.212	0.191	0.085					
TBJB336*006CJ#00++	B	33	6	2.2	1.98	19.8	39.6	6	9	0.085	0.197	0.177	0.079	0.432	0.389	0.173					
TBJB336*006LJ#00++	B	33	6	0.6	1.98	19.8	39.6	6	9	0.085	0.197	0.177	0.079	0.432	0.389	0.173					
TBJA476*006LJ#00++	A	47	6	0.8	2.82	28.2	56.4	10	12	0.075	0.306	0.276	0.122	0.245	0.220	0.098					
TBJB476*006CJ#00++	B	47	6	0.35	2.82	28.2	56.4	6	9	0.085	0.493	0.444	0.197	0.172	0.155	0.069					
TBJB476*006LJ#00++	B	47	6	0.25	2.82	28.2	56.4	6	9	0.085	0.493	0.444	0.197	0.172	0.155	0.069					
TBJC476*006CJ#00++	C	47	6	1.6	2.82	28.2	56.4	6	9	0.110	0.282	0.236	0.105	0.420	0.378	0.168					
TBJC476*006LJ#00++	C	47	6	0.3	2.82	28.2	56.4	6	9	0.110	0.282	0.236	0.105	0.420	0.378	0.168					
TBJD476*006CJ#00++	D	47	6	1.1	2.82	28.2	56.4	6	6	0.150	0.369	0.332	0.148	0.406	0.366	0.162					
TBJB686*006CJ#00++	B	68	6	1.8	4.08	40.8	81.6	8	10	0.085	0.217	0.196	0.087	0.391	0.352	0.156					
TJB686*006LJ#00++	B	68	6	0.25	4.08	40.8	81.6	8	10	0.085	0.217	0.196	0.087	0.391	0.352	0.156					
TBJC686*006CJ#00++	C	68	6	1.6	4.08	40.8	81.6	6	9	0.110	0.282	0.236	0.105	0.420	0.378	0.168					
TBJC686*006LJ#00++	C	68	6	0.15	4.08	40.8	81.6	6	9	0.110	0.282	0.236	0.105	0.420	0.378	0.168					
TBJD686*006CJ#00++	D	68	6	0.9	4.08	40.8	81.6	6	6	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJD686*006LJ#00++	D	68	6	0.4	4.08	40.8	81.6	6	6	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJB107*006CJ#00++	B	100	6	0.25	6	60	120	10	12	0.085	0.461	0.415	0.184	0.184	0.166	0.074					
TBJB107*006LJ#00++	B	100	6	0.9	6	60	120	10	12	0.085	0.461	0.415	0.184	0.184	0.166	0.074					
TBJC107*006CJ#00++	C	100	6	0.15	6	60	120	6	9	0.110	0.350	0.315	0.140	0.315	0.283	0.126					
TBJC107*006LJ#00++	C	100	6	0.15	6	60	120	6	9	0.110	0.350	0.315	0.140	0.315	0.283	0.126					
TBJD107*006CJ#00++	D	100	6	0.9	6	60	120	6	9	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJD107*006LJ#00++	D	100	6	0.09	6	60	120	6	9	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJE157*006CJ#00++	C	150	6	0.05	9	90	180	6	6	0.110	1.06	0.996	0.442	0.099	0.090	0.040					
TBJE157*006LJ#00++	C	150	6	0.05	9	90	180	6	6	0.110	1.06	0.996	0.442	0.099	0.090	0.040					
TBJD157*006CJ#00++	D	150	6	0.9	9	90	180	6	6	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJD157*006LJ#00++	D	150	6	0.05	9	90	180	6	6	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJE227*006CJ#00++	C	220	6	1.2	13.2	132	264	10	12	0.110	1.32	1.254	0.501	0.088	0.079	0.035					
TBJE227*006LJ#00++	C	220	6	0.07	13.2	132	264	8	10	0.110	1.32	1.254	0.501	0.088	0.079	0.035					
TBJD227*006CJ#00++	D	220	6	0.9	13.2	132	264	8	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJD227*006LJ#00++	D	220	6	0.1	13.2	132	264	8	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJE337*006CJ#00++	E	330	6	0.045	19.8	198	396	8	10	0.150	1.32	1.254	0.501	0.088	0.079	0.035					
TBJE337*006LJ#00++	E	330	6	0.9	19.8	198	396	8	10	0.150	1.32	1.254	0.501	0.088	0.079	0.035					
TBJE337*006CJ#00++	E	330	6	0.1	19.8	198	396	8	10	0.165	1.286	1.156	0.514	0.128	0.116	0.051					
TBJE337*006LJ#00++	E	330	6	0.1	19.8	198	396	8	10	0.165	1.286	1.156	0.514	0.128	0.116	0.051					
TBJD477*006CJ#00++	D	470	6	0.06	28.2	282	564	12	14	0.150	1.581	1.423	0.632	0.095	0.085	0.038					
TBJD477*006LJ#00++	D	470	6	0.045	28.2	282	564	12	14	0.150	1.581	1.423	0.632	0.095	0.085	0.038					
TBJE477*006CJ#00++	E	470	6	0.9	28.2	282	564	10	12	0.165	1.643	1.493	0.730	0.087	0.078	0.033					
TBJE477*006LJ#00++	E	470	6	0.05	28.2	282	564	10	12	0.165	1.643	1.493	0.730	0.087	0.078	0.033					
TBJA477*006CJ#00++	V	470	6	0.1	28.2	282	564	10	12	0.165	1.817	1.635	0.727	0.091	0.082	0.036					
TBJA477*006LJ#00++	V	470	6	0.055	28.2	282	564	10	12	0.165	1.817	1.635	0.727	0.091	0.082	0.036					
TBJE687*006CJ#00++	E	680	6	0.06	40.8	408	816	10	12	0.165	1.668	1.492	0.663	0.099	0.090	0.040					
TBJE687*006LJ#00++	E	680	6	0.045	40.8	408	816	10	12	0.165	1.668	1.492	0.663	0.099	0.090	0.040					
TBJA687*006CJ#00++	V	680	6	0.04	40.8	408	816	10	12	0.250	2.500	2.250	1.000	0.100	0.090	0.040					
TBJA687*006LJ#00++	V	680	6	0.035	40.8	408	816	14	17	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	+25°C	+85°C	+125°C	+25°C	-55°C	DF Max	Power Dissipation	25°C	85°C	125°C	25°C	85°C
AVX COTS-Plus P/N	Case	µF @ +25°C	V @ +85°C	Ohms @ +25°C	(µA)	(µA)	(%)	(%)	(%)	(%)	W	A (100kHz)	A (100kHz)	A (100kHz)	V (100kHz)	V (100kHz)	V (100kHz)
TB1A108*0106CJ#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
TB1A108*006LJ#00++	V	1000	6	0.04	60	600	1200	16	19	21	0.250	2.500	2.250	1.000	0.100	0.090	0.040
TB1A108*010CJ#00++	A	1	10	10	0.1	1	1.2	4	6	6	0.075	0.087	0.078	0.035	0.035	0.035	0.346
TB1A155*010CJ#00++	A	1.5	10	8	0.15	1.5	1.8	6	6	6	0.075	0.087	0.087	0.035	0.035	0.035	0.310
TB1A225*010CJ#00++	A	2.2	10	8	0.22	2.2	2.64	6	6	6	0.075	0.087	0.087	0.035	0.035	0.035	0.310
TB1A225*010LLJ#00++	A	2.2	10	1.8	0.22	2.2	4.4	6	6	6	0.075	0.204	0.184	0.082	0.082	0.082	0.147
TB1B335*010CJ#00++	B	3.3	10	5.5	0.33	3.3	3.96	6	6	6	0.085	0.124	0.112	0.050	0.050	0.050	0.273
TB1A475*010CJ#00++	A	4.7	10	5	0.47	4.7	9.4	6	6	6	0.075	0.122	0.110	0.049	0.049	0.049	0.245
TB1A475*010LLJ#00++	A	4.7	10	1.4	0.47	4.7	9.4	6	6	6	0.075	0.231	0.208	0.093	0.093	0.093	0.130
TB1B475*010CJ#00++	B	4.7	10	4.5	0.47	4.7	5.64	6	6	6	0.085	0.137	0.124	0.055	0.055	0.055	0.247
TB1A685*010CJ#00++	A	6.8	10	4	0.68	6.8	13.6	6	6	6	0.075	0.137	0.123	0.055	0.055	0.055	0.219
TB1A685*010LLJ#00++	A	6.8	10	1.8	0.68	6.8	13.6	6	6	6	0.075	0.204	0.184	0.082	0.082	0.082	0.147
TB1B685*010CJ#00++	B	6.8	10	3.5	0.68	6.8	8.16	6	6	6	0.085	0.156	0.140	0.062	0.062	0.062	0.218
TB1A106*010CJ#00++	A	10	10	3	1	10	20	6	6	6	0.075	0.158	0.142	0.063	0.063	0.063	0.190
TB1A106*010LLJ#00++	A	10	10	1.8	1	10	20	6	6	6	0.075	0.204	0.184	0.082	0.082	0.082	0.147
TB1B106*010CJ#00++	B	10	10	2.5	1	10	20	6	6	6	0.085	0.184	0.166	0.074	0.074	0.074	0.184
TB1A156*010CJ#00++	A	15	10	3.2	1.5	15	30	6	6	6	0.075	0.153	0.138	0.061	0.061	0.061	0.196
TB1A156*010LLJ#00++	A	15	10	1	1.5	15	30	6	6	6	0.075	0.274	0.246	0.110	0.110	0.110	0.110
TB1B156*010CJ#00++	B	15	10	2.8	1.5	15	30	6	6	6	0.085	0.174	0.157	0.070	0.070	0.070	0.195
TB1B156*010LLJ#00++	B	15	10	0.45	1.5	15	30	6	6	6	0.085	0.435	0.391	0.174	0.174	0.174	0.078
TB1C156*010CJ#00++	C	15	10	2.5	1.5	15	18	6	6	6	0.110	0.210	0.189	0.084	0.084	0.084	0.210
TB1B225*010CJ#00++	B	22	10	2.4	2.2	22	44	6	6	6	0.085	0.198	0.169	0.095	0.095	0.095	0.181
TB1B225*010LLJ#00++	B	22	10	0.7	2.2	22	44	6	6	6	0.085	0.348	0.314	0.139	0.139	0.139	0.098
TB1C225*010CJ#00++	C	22	10	1	2.2	22	44	6	6	6	0.110	0.332	0.298	0.133	0.133	0.133	0.133
TB1C225*010LLJ#00++	C	22	10	0.3	2.2	22	44	6	6	6	0.110	0.606	0.545	0.242	0.242	0.242	0.073
TB1A336*010CJ#00++	A	33	10	1.7	3.3	33	66	6	6	6	0.075	0.210	0.189	0.084	0.084	0.084	0.143
TB1A336*010LLJ#00++	A	33	10	0.7	3.3	33	66	6	6	6	0.075	0.327	0.295	0.131	0.131	0.131	0.092
TB1B336*010CJ#00++	B	33	10	1.8	3.3	33	66	6	6	6	0.085	0.217	0.196	0.087	0.087	0.087	0.156
TB1B336*010LLJ#00++	B	33	10	0.25	3.3	33	66	6	6	6	0.085	0.583	0.525	0.233	0.233	0.233	0.058
TB1C336*010CJ#00++	C	33	10	1.6	3.3	33	66	6	6	6	0.110	0.262	0.236	0.105	0.105	0.105	0.168
TB1C336*010LLJ#00++	C	33	10	0.15	3.3	33	66	6	6	6	0.110	0.856	0.771	0.343	0.343	0.343	0.051
TB1D336*010CJ#00++	D	33	10	1.1	3.3	33	39.6	6	6	6	0.150	0.369	0.332	0.148	0.148	0.148	0.162
TB1B476*010CJ#00++	B	47	10	0.35	4.7	47	94	6	6	6	0.085	0.493	0.444	0.197	0.197	0.197	0.069
TB1B476*010LLJ#00++	B	47	10	0.25	4.7	47	94	6	6	6	0.085	0.525	0.483	0.233	0.233	0.233	0.058
TB1C476*010CJ#00++	C	47	10	1.2	4.7	47	94	6	6	6	0.110	0.303	0.272	0.121	0.121	0.121	0.145
TB1C476*010LLJ#00++	C	47	10	0.2	4.7	47	94	6	6	6	0.110	0.742	0.667	0.297	0.297	0.297	0.059
TB1D476*010CJ#00++	D	47	10	0.9	4.7	47	56.4	6	6	6	0.150	0.408	0.367	0.163	0.163	0.163	0.147
TB1B886*010CJ#00++	B	88	10	0.6	6.8	68	68	6	6	6	0.085	1.225	1.102	0.490	0.490	0.490	0.049
TB1B886*010LLJ#00++	B	88	10	1.2	6.8	68	136	6	6	6	0.085	0.376	0.339	0.151	0.151	0.151	0.090
TB1C886*010CJ#00++	C	88	10	0.08	6.8	68	136	6	6	6	0.110	0.303	0.272	0.121	0.121	0.121	0.145
TB1D886*010CJ#00++	D	88	10	0.9	6.8	68	136	6	6	6	0.150	1.173	1.055	0.469	0.469	0.469	0.038
TB1D886*010LLJ#00++	D	88	10	0.1	6.8	68	136	6	6	6	0.150	0.408	0.367	0.163	0.163	0.163	0.147
TB1B107*010CJ#00++	B	100	10	0.4	10	100	200	6	6	6	0.085	0.461	0.415	0.184	0.184	0.184	0.074
TB1C107*010CJ#00++	C	100	10	1.2	10	100	200	6	6	6	0.110	0.303	0.272	0.121	0.121	0.121	0.145
TB1C107*010LLJ#00++	C	100	10	0.2	10	100	200	6	6	6	0.110	0.742	0.667	0.297	0.297	0.297	0.059
TB1D107*010CJ#00++	D	100	10	0.9	10	100	200	6	6	6	0.150	0.408	0.367	0.163	0.163	0.163	0.147
TB1D107*010LLJ#00++	D	100	10	0.1	10	100	200	6	6	6	0.150	1.225	1.102	0.490	0.490	0.490	0.049
TB1E107*010CJ#00++	E	100	10	0.125	10	100	200	6	6	6	0.165	1.285	1.156	0.514	0.514	0.514	0.051
TB1D157*010CJ#00++	D	150	10	0.9	15	150	300	6	6	6	0.150	0.408	0.367	0.163	0.163	0.163	0.147
TB1D157*010LLJ#00++	D	150	10	0.1	15	150	300	6	6	6	0.150	1.225	1.102	0.490	0.490	0.490	0.049
TB1E157*010CJ#00++	E	150	10	0.1	15	150	300	6	6	6	0.165	1.285	1.156	0.514	0.514	0.514	0.051
TB1D227*010CJ#00++	D	220	10	0.9	22	220	440	6	6	6	0.150	0.408	0.367	0.163	0.163	0.163	0.147
TB1D227*010LLJ#00++	D	220	10	0.15	22	220	440	6	6	6	0.150	1.000	0.900	0.400	0.400	0.400	0.060
TB1E227*010CJ#00++	E	220	10	0.9	22	220	440	6	6	6	0.165	0.428	0.385	0.171	0.171	0.171	0.154
TB1E227*010LLJ#00++	E	220	10	0.1	22	220	440	6	6	6	0.165	1.285	1.156	0.514	0.514	0.514	0.051

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	+25°C	+85°C	+125°C	+25°C	Power Dissipation	DF Max + (85/125)°C	-55°C	25°C	85°C	125°C	25°C	85°C	125°C
	µF @ +25°C	V @ +85°C	Ohms	(µA)	(µA)	(µA)	(%)	(%)	W	(%)	(%)	Ripple Current (100kHz)	Ripple Current (100kHz)	Ripple Current (100kHz)	Ripple Voltage (100kHz)	Ripple Voltage (100kHz)	Ripple Voltage (100kHz)
AVX COTS-Plus P/N	Case											A	A	A	V	V	V
TBJC886*016CJ#00++	C	68	16	0.2	10.88	108.8	217.6	6	9	10	110	0.667	0.742	0.831	0.148	0.133	0.059
TBJC886*016LJ#00++	C	68	16	0.125	10.88	108.8	217.6	6	9	10	110	0.844	0.938	1.032	0.177	0.106	0.047
TBJD886*016CJ#00++	D	68	16	0.9	10.88	108.8	217.6	6	9	10	150	0.367	0.408	0.450	0.163	0.102	0.041
TBJD886*016LJ#00++	D	68	16	0.07	10.88	108.8	217.6	6	9	10	150	1.317	1.464	1.611	0.586	0.392	0.147
TBJD107*016CJ#00++	D	100	16	0.9	16	160	320	6	9	10	150	0.367	0.408	0.450	0.163	0.102	0.041
TBJD107*016LJ#00++	D	100	16	0.125	16	160	320	6	9	10	150	0.966	1.095	1.224	0.438	0.285	0.106
TBJE107*016CJ#00++	E	100	16	0.9	16	160	320	6	9	10	165	0.367	0.408	0.450	0.163	0.102	0.041
TBJE107*016LJ#00++	E	100	16	0.1	16	160	320	6	9	10	165	1.285	1.441	1.598	0.514	0.331	0.128
TBJD157*016CJ#00++	D	150	16	0.9	24	240	480	6	9	10	150	0.367	0.408	0.450	0.163	0.102	0.041
TBJD157*016LJ#00++	D	150	16	0.15	24	240	480	6	9	10	150	1.000	1.125	1.250	0.400	0.260	0.060
TBJE157*016CJ#00++	E	150	16	0.3	24	240	480	6	9	10	165	0.367	0.408	0.450	0.163	0.102	0.041
TBJE157*016LJ#00++	E	150	16	0.1	24	240	480	6	9	10	165	1.285	1.441	1.598	0.514	0.331	0.128
TBM157*016CJ#00++	V	150	16	0.075	24	240	480	6	9	10	250	1.826	2.061	2.296	0.730	0.474	0.183
TBM157*016LJ#00++	V	150	16	0.045	24	240	480	6	9	10	250	2.357	2.692	3.027	0.943	0.606	0.226
TBJE227*016CJ#00++	E	220	16	0.15	35.2	352	704	10	12	14	165	0.367	0.408	0.450	0.163	0.102	0.041
TBJE227*016LJ#00++	E	220	16	0.1	35.2	352	704	10	12	14	165	1.049	1.184	1.319	0.420	0.271	0.099
TBM227*016CJ#00++	V	220	16	0.075	35.2	352	704	8	10	12	250	1.826	2.061	2.296	0.730	0.474	0.183
TBM227*016LJ#00++	V	220	16	0.045	35.2	352	704	8	10	12	250	2.357	2.692	3.027	0.943	0.606	0.226
TBJA474*020CJ#00++	A	0.47	20	14	0.5	10.4	4	4	6	6	0.075	0.073	0.066	0.029	0.137	0.223	0.410
TBJA684*020CJ#00++	A	0.68	20	12	0.136	1.36	1.632	4	6	6	0.075	0.079	0.071	0.032	0.149	0.246	0.379
TBJA105*020CJ#00++	A	1	20	10	0.2	2	2.4	4	6	6	0.075	0.087	0.078	0.035	0.166	0.279	0.346
TBJA105*020LJ#00++	A	1	20	3	0.2	2	2.4	4	6	6	0.075	0.153	0.142	0.063	0.474	0.779	0.946
TBJA155*020CJ#00++	A	1.5	20	6.5	0.3	3	6	4	8	10	0.075	0.107	0.097	0.043	0.198	0.328	0.279
TBJA155*020LJ#00++	A	1.5	20	6	0.3	3	6	4	8	10	0.085	0.119	0.107	0.048	0.174	0.286	0.243
TBJA225*020CJ#00++	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	0.827	0.910
TBJA225*020LJ#00++	A	2.2	20	3	0.44	4.4	8.8	6	8	8	0.075	0.158	0.142	0.063	0.474	0.827	0.910
TBJB225*020CJ#00++	B	2.2	20	5	0.44	4.4	8.8	6	8	8	0.085	0.130	0.117	0.052	0.192	0.317	0.261
TBJB225*020LJ#00++	B	2.2	20	2.5	0.66	6.6	13.2	6	8	9	0.075	0.173	0.156	0.069	0.433	0.730	0.873
TBJB335*020CJ#00++	B	3.3	20	4	0.66	6.6	13.2	6	8	9	0.085	0.146	0.131	0.058	0.192	0.317	0.261
TBJB335*020LJ#00++	B	3.3	20	1.3	0.66	6.6	13.2	6	8	9	0.085	0.256	0.230	0.102	0.332	0.548	0.457
TBJA475*020CJ#00++	A	4.7	20	4	0.94	9.4	18.8	6	8	10	0.075	0.137	0.123	0.055	0.192	0.317	0.261
TBJA475*020LJ#00++	A	4.7	20	1.8	0.94	9.4	18.8	6	8	10	0.075	0.204	0.184	0.082	0.267	0.431	0.347
TBJB475*020CJ#00++	B	4.7	20	3	0.94	9.4	18.8	6	8	10	0.085	0.168	0.151	0.067	0.206	0.331	0.261
TBJB475*020LJ#00++	B	4.7	20	0.75	0.94	9.4	18.8	6	8	10	0.085	0.337	0.303	0.135	0.252	0.406	0.310
TBJC475*020CJ#00++	C	4.7	20	3	0.94	9.4	18.8	6	8	8	0.110	0.191	0.172	0.077	0.267	0.431	0.347
TBJA685*020LJ#00++	A	6.8	20	1	1.36	13.6	27.2	6	8	10	0.075	0.246	0.226	0.110	0.274	0.446	0.347
TBJB685*020CJ#00++	B	6.8	20	2.5	1.36	13.6	27.2	6	8	10	0.085	0.184	0.166	0.074	0.267	0.431	0.347
TBJB685*020LJ#00++	B	6.8	20	0.6	1.36	13.6	27.2	6	8	9	0.085	0.376	0.339	0.151	0.226	0.366	0.286
TBJC685*020CJ#00++	C	6.8	20	2.4	1.36	13.6	27.2	6	8	9	0.110	0.214	0.193	0.086	0.267	0.431	0.347
TBJC685*020LJ#00++	C	6.8	20	0.7	1.36	13.6	27.2	6	8	9	0.110	0.396	0.357	0.159	0.277	0.431	0.347
TBJB106*020CJ#00++	B	10	20	2.1	2	20	40	6	8	8	0.085	0.201	0.181	0.080	0.262	0.411	0.317
TBJB106*020LJ#00++	B	10	20	1	2	20	40	6	8	10	0.085	0.292	0.262	0.117	0.292	0.457	0.347
TBJC106*020CJ#00++	C	10	20	1.9	2	20	40	6	8	10	0.110	0.241	0.217	0.096	0.267	0.431	0.347
TBJC106*020LJ#00++	C	10	20	0.5	2	20	40	6	8	9	0.110	0.469	0.422	0.188	0.235	0.366	0.286
TBJB156*020CJ#00++	B	15	20	2	3	30	60	6	8	10	0.085	0.206	0.186	0.082	0.262	0.411	0.317
TBJB156*020LJ#00++	B	15	20	0.5	3	30	60	6	8	10	0.085	0.412	0.371	0.165	0.206	0.317	0.246
TBJC156*020CJ#00++	C	15	20	1.7	3	30	60	6	8	10	0.110	0.254	0.229	0.102	0.262	0.411	0.317
TBJC156*020LJ#00++	C	15	20	0.4	3	30	60	6	8	10	0.110	0.524	0.472	0.210	0.210	0.317	0.246
TBJD156*020CJ#00++	D	15	20	1.1	3	30	60	6	8	9	0.150	0.369	0.332	0.148	0.206	0.317	0.246
TBJB225*020CJ#00++	B	22	20	0.6	4.4	44	88	6	8	9	0.085	0.376	0.339	0.151	0.226	0.366	0.286
TBJB225*020LJ#00++	B	22	20	0.4	4.4	44	88	6	8	10	0.085	0.461	0.415	0.184	0.226	0.366	0.286
TBJC225*020CJ#00++	C	22	20	1.6	4.4	44	88	6	8	10	0.110	0.262	0.236	0.105	0.262	0.411	0.317
TBJC225*020LJ#00++	C	22	20	0.15	4.4	44	88	6	8	10	0.110	0.856	0.771	0.343	0.422	0.636	0.494
TBJD225*020CJ#00++	D	22	20	0.9	4.4	44	88	6	8	9	0.150	0.408	0.367	0.163	0.226	0.366	0.286
TBJD225*020LJ#00++	D	22	20	0.2	4.4	44	88	6	8	9	0.150	0.866	0.779	0.346	0.422	0.636	0.494
TBJC336*020CJ#00++	C	33	20	1.5	6.6	66	132	6	8	10	0.110	0.271	0.244	0.108	0.262	0.411	0.317

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	+25°C	+85°C	+125°C	+25°C	-55°C	DF Max	Power Dissipation	25°C	85°C	125°C	25°C	85°C	125°C			
AVX COTS-Plus P/N	Case	µF @ +25°C	V @ +85°C	Ohms @ +25°C	(µA)	(µA)	(%)	(%)	(%)	(%)	W	A (100kHz)	A (100kHz)	A (100kHz)	V (100kHz)	V (100kHz)	V (100kHz)				
TBJC336*020L#00++	C	33	20	0.3	66	132	6	9	10	1.10	0.606	0.545	0.242	0.182	0.163	0.163	0.073				
TBJD336*020CL#00++	D	33	20	0.9	66	132	6	8	10	1.10	0.408	0.367	0.163	0.367	0.331	0.331	0.147				
TBJD336*020L#00++	D	33	20	0.1	66	132	6	8	10	1.10	0.408	0.367	0.163	0.367	0.331	0.331	0.147				
TBJD476*020CL#00++	D	47	20	0.2	94	188	6	8	10	1.10	0.866	0.779	0.346	0.779	0.156	0.156	0.069				
TBJD476*020L#00++	D	47	20	0.1	94	188	6	8	10	1.10	1.225	1.102	0.490	1.225	0.110	0.110	0.049				
TBJE476*020CL#00++	E	47	20	0.25	94	188	6	8	10	1.10	0.866	0.779	0.346	0.779	0.156	0.156	0.069				
TBJE476*020L#00++	E	47	20	0.07	94	188	6	9	10	1.10	1.332	1.332	0.614	1.332	0.097	0.097	0.043				
TBJD686*020CL#00++	D	68	20	0.9	136	272	6	8	10	1.10	0.408	0.367	0.163	0.367	0.331	0.331	0.147				
TBJD686*020L#00++	D	68	20	0.07	136	272	6	8	10	1.10	1.464	1.464	0.514	1.464	0.102	0.102	0.041				
TBJE686*020CL#00++	E	68	20	0.9	136	272	6	8	10	1.10	0.408	0.367	0.163	0.367	0.331	0.331	0.147				
TBJE686*020L#00++	E	68	20	0.15	136	272	6	8	10	1.10	1.049	0.944	0.420	1.049	0.142	0.142	0.063				
TBJD107*020CL#00++	D	100	20	0.1	200	400	6	9	10	1.10	1.225	1.102	0.490	1.225	0.110	0.110	0.049				
TBJD107*020L#00++	D	100	20	0.085	200	400	6	9	10	1.10	1.328	1.328	0.531	1.328	0.102	0.102	0.045				
TBJE107*020CL#00++	E	100	20	0.15	200	400	6	9	10	1.10	1.049	0.944	0.420	1.049	0.142	0.142	0.063				
TBJE107*020L#00++	E	100	20	0.1	200	400	6	9	10	1.10	1.285	1.285	0.514	1.285	0.116	0.116	0.051				
TBM107*020CL#00++	V	100	20	0.2	200	400	8	10	12	0.250	1.118	1.006	0.447	1.118	0.201	0.201	0.089				
TBM107*020L#00++	V	100	20	0.085	200	400	8	10	12	0.250	1.715	1.543	0.686	1.715	0.146	0.146	0.058				
TBJE157*020CL#00++	E	150	20	0.3	300	600	6	8	10	1.10	0.742	0.667	0.297	0.742	0.200	0.200	0.089				
TBJE157*020L#00++	E	150	20	0.08	300	600	8	10	12	0.250	1.768	1.591	0.707	1.768	0.127	0.127	0.057				
TBJA334*025CL#00++	A	0.33	25	15	0.825	0.99	4	6	6	0.075	0.071	0.064	0.028	0.071	0.955	0.955	0.424				
TBJA474*025CL#00++	A	0.47	25	14	1.175	1.41	4	6	6	0.075	0.075	0.066	0.029	0.075	0.922	0.922	0.410				
TBJA74*025L#00++	A	0.47	25	7	1.175	2.35	4	6	6	0.075	0.104	0.093	0.041	0.104	0.725	0.725	0.290				
TBJA684*025CL#00++	A	0.68	25	10	0.68	13.6	4	6	6	0.075	0.087	0.078	0.035	0.087	0.666	0.666	0.346				
TBJA684*025L#00++	A	0.68	25	6	0.17	3.4	4	6	6	0.075	0.112	0.101	0.045	0.112	0.604	0.604	0.288				
TBJB684*025CL#00++	B	0.68	25	7.5	1.7	2.04	4	6	6	0.085	0.106	0.096	0.043	0.106	0.798	0.798	0.319				
TBJA105*025CL#00++	A	1	25	8	0.25	5	4	6	6	0.075	0.097	0.087	0.039	0.097	0.775	0.775	0.310				
TBJB105*025CL#00++	B	1	25	6.5	2.5	3	4	6	6	0.085	0.114	0.103	0.046	0.114	0.669	0.669	0.297				
TBJA155*025CL#00++	A	1.5	25	7.5	0.375	7.5	6	8	10	0.075	0.100	0.090	0.040	0.100	0.750	0.750	0.300				
TBJA155*025L#00++	A	1.5	25	3	0.375	3.75	6	8	10	0.075	0.158	0.142	0.063	0.158	0.474	0.474	0.190				
TBJB155*025CL#00++	B	1.5	25	6.5	3.75	4.5	6	8	10	0.085	0.114	0.103	0.046	0.114	0.743	0.743	0.297				
TBJB155*025L#00++	B	1.5	25	1.8	0.375	7.5	6	8	10	0.085	0.217	0.196	0.087	0.217	0.352	0.352	0.156				
TBJB225*025CL#00++	B	2.2	25	4.5	0.55	5.5	11	6	8	0.085	0.137	0.124	0.055	0.137	0.618	0.618	0.247				
TBJB225*025L#00++	B	2.2	25	0.9	0.55	5.5	11	6	8	0.085	0.307	0.277	0.123	0.307	0.249	0.249	0.111				
TBJC225*025CL#00++	C	2.2	25	3.5	0.55	6.6	6	9	9	0.110	0.177	0.160	0.071	0.177	0.620	0.620	0.248				
TBJA335*025CL#00++	A	3.3	25	1.5	0.825	8.25	16.5	6	9	0.075	0.224	0.201	0.089	0.224	0.335	0.335	0.134				
TBJA335*025L#00++	A	3.3	25	1	0.825	8.25	16.5	6	9	0.075	0.246	0.246	0.110	0.246	0.246	0.246	0.110				
TBJB335*025CL#00++	B	3.3	25	3.5	0.825	8.25	16.5	6	8	0.085	0.156	0.140	0.062	0.156	0.545	0.545	0.218				
TBJB335*025L#00++	B	3.3	25	0.75	0.825	8.25	16.5	6	9	0.085	0.337	0.303	0.135	0.337	0.227	0.227	0.101				
TBJC335*025CL#00++	C	3.3	25	3.5	0.825	8.25	9.9	6	9	0.110	0.177	0.160	0.071	0.177	0.620	0.620	0.248				
TBJA475*025CL#00++	A	4.7	25	2.8	1.175	11.75	23.5	6	8	0.065	0.164	0.147	0.065	0.164	0.412	0.412	0.183				
TBJB475*025CL#00++	B	4.7	25	2.8	1.175	11.75	23.5	6	8	0.085	0.174	0.157	0.070	0.174	0.488	0.488	0.195				
TBJB475*025L#00++	B	4.7	25	1.5	1.175	11.75	23.5	6	8	0.085	0.238	0.214	0.095	0.238	0.321	0.321	0.143				
TBJC475*025CL#00++	C	4.7	25	2.5	1.175	11.75	14.1	6	9	0.110	0.210	0.199	0.084	0.210	0.472	0.472	0.210				
TBJB685*025CL#00++	B	6.8	25	2.8	1.7	17	34	6	8	0.085	0.174	0.157	0.070	0.174	0.488	0.488	0.195				
TBJB685*025L#00++	B	6.8	25	0.7	1.7	17	34	6	8	0.085	0.348	0.314	0.139	0.348	0.220	0.220	0.098				
TBJC685*025CL#00++	C	6.8	25	2	1.7	17	34	6	8	0.110	0.235	0.211	0.094	0.235	0.422	0.422	0.188				
TBJC685*025L#00++	C	6.8	25	0.5	1.7	17	34	6	9	0.110	0.489	0.422	0.188	0.489	0.235	0.235	0.110				
TBJD685*025CL#00++	D	6.8	25	1.4	1.7	17	20.4	6	8	0.110	0.296	0.296	0.131	0.296	0.412	0.412	0.178				
TBJC106*025CL#00++	C	10	25	1.8	2.5	25	50	6	8	0.110	0.327	0.222	0.099	0.327	0.445	0.445	0.178				
TBJC106*025L#00++	C	10	25	0.5	2.5	25	50	6	8	0.110	0.469	0.422	0.188	0.469	0.235	0.235	0.110				
TBJD106*025CL#00++	D	10	25	1.2	2.5	25	30	6	8	0.150	0.354	0.318	0.141	0.354	0.382	0.382	0.170				
TBJC156*025CL#00++	C	15	25	0.3	3.75	37.5	75	6	9	0.110	0.606	0.545	0.242	0.606	0.163	0.163	0.073				
TBJC156*025L#00++	C	15	25	0.22	3.75	37.5	75	6	9	0.110	0.707	0.636	0.283	0.707	0.156	0.156	0.062				
TBJD156*025CL#00++	D	15	25	1	3.75	37.5	45	6	9	0.150	0.387	0.349	0.155	0.387	0.349	0.349	0.155				
TBJD156*025L#00++	D	15	25	0.3	3.75	37.5	75	6	8	0.150	0.707	0.636	0.283	0.707	0.191	0.191	0.085				
TBJC226*025CL#00++	C	22	25	1.4	5.5	55	110	6	8	0.110	0.280	0.252	0.112	0.280	0.392	0.392	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									
		Cap @ 120Hz @ 25°C	DC Rated Voltage @ +85°C	ESR @ 100kHz	DCL max @ +85°C	+125°C (µA)	+25°C (%)	DF Max (+85/125°C) (%)	-55°C (%)	Power Dissipation W	25°C Ripple Current (100kHz) A	85°C Ripple Current (100kHz) A	125°C Ripple Current (100kHz) A	25°C Ripple Voltage (100kHz) V	85°C Ripple Voltage (100kHz) V	125°C Ripple Voltage (100kHz) V					
AVX COTS-Plus P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	µA @ +85°C	µA @ +25°C	(%) @ +25°C	(%) @ +85/125°C	(%) @ -55°C	W	A @ 25°C (100kHz)	A @ 85°C (100kHz)	A @ 125°C (100kHz)	V @ 25°C (100kHz)	V @ 85°C (100kHz)	V @ 125°C (100kHz)					
TBJC226*025CL#00++	C	22	25	0.275	5.5	110	6	8	10	0.110	0.632	0.569	0.253	0.174	0.157	0.070					
TBJD226*025CL#00++	D	22	25	0.9	5.5	110	6	8	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJD226*025CL#00++	D	22	25	0.2	5.5	55	6	8	10	0.150	0.866	0.779	0.346	0.173	0.156	0.069					
TBJD336*025CL#00++	D	33	25	0.9	8.25	82.5	6	8	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJD336*025CL#00++	D	33	25	0.1	8.25	82.5	6	8	10	0.150	1.225	1.102	0.490	0.122	0.110	0.049					
TBJE336*025CL#00++	E	33	25	0.9	8.25	82.5	6	8	10	0.165	0.428	0.385	0.171	0.385	0.347	0.154					
TBJE336*025CL#00++	E	33	25	0.3	8.25	82.5	6	8	10	0.165	0.742	0.667	0.297	0.222	0.200	0.089					
TBJD476*025CL#00++	D	47	25	0.9	11.75	117.5	6	8	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBJD476*025CL#00++	D	47	25	0.25	11.75	117.5	6	8	10	0.150	0.775	0.697	0.310	0.194	0.174	0.077					
TBJE476*025CL#00++	E	47	25	0.1	11.75	117.5	6	8	10	0.165	1.285	1.156	0.514	0.128	0.116	0.051					
TBJE476*025CL#00++	E	47	25	0.08	11.75	117.5	6	8	10	0.165	1.436	1.293	0.574	0.115	0.103	0.046					
TBJE666*025CL#00++	E	66	25	0.2	17	170	340	6	10	0.165	0.908	0.817	0.363	0.182	0.163	0.073					
TBJE666*025CL#00++	E	66	25	0.125	17	170	340	6	10	0.165	1.149	1.034	0.460	0.144	0.129	0.057					
TBJV666*025CL#00++	V	66	25	0.095	17	170	340	6	9	0.250	1.622	1.460	0.649	0.154	0.139	0.062					
TBM107*025CL#00++	V	100	25	0.1	25	250	500	8	10	0.250	1.581	1.423	0.632	0.158	0.142	0.063					
TBM107*025CL#00++	V	100	25	0.24	0.035	0.35	0.42	6	6	0.075	0.056	0.050	0.022	1.342	1.207	0.537					
TBJA154*035CL#00++	A	0.15	35	21	0.5	5	10	4	6	0.075	0.060	0.054	0.024	1.255	1.129	0.502					
TBJA224*035CL#00++	A	0.22	35	18	0.5	5	10	4	6	0.075	0.065	0.058	0.026	1.162	1.046	0.465					
TBJA224*035CL#00++	A	0.22	35	6	0.077	0.77	1.54	4	6	0.075	0.112	0.101	0.045	0.671	0.604	0.268					
TBJA334*035CL#00++	A	0.33	35	15	0.5	5	10	4	6	0.075	0.071	0.064	0.028	1.061	0.955	0.424					
TBJA334*035CL#00++	A	0.33	35	6	0.116	1.165	2.31	4	6	0.075	0.112	0.101	0.045	0.671	0.604	0.268					
TBJA474*035CL#00++	A	0.47	35	12	1.645	16.45	3.29	4	6	0.075	0.079	0.071	0.032	0.949	0.854	0.379					
TBJA474*035CL#00++	A	0.47	35	6	0.165	1.645	3.29	4	6	0.075	0.112	0.101	0.045	0.671	0.604	0.268					
TBJB474*035CL#00++	B	0.47	35	10	0.165	1.645	1.974	4	6	0.085	0.092	0.083	0.037	0.922	0.830	0.369					
TBJB474*035CL#00++	B	0.47	35	4	0.165	1.645	3.29	4	6	0.085	0.146	0.131	0.058	0.583	0.525	0.233					
TBJA684*035CL#00++	A	0.68	35	8	0.238	2.38	4.76	4	6	0.075	0.097	0.087	0.039	0.775	0.697	0.310					
TBJA684*035CL#00++	A	0.68	35	6	0.238	2.38	4.76	4	6	0.075	0.112	0.101	0.045	0.671	0.604	0.268					
TBJB684*035CL#00++	B	0.68	35	8	0.238	2.38	2.856	4	6	0.085	0.103	0.093	0.041	0.825	0.742	0.330					
TBJA105*035CL#00++	A	1	35	7.5	3.5	3.5	7	4	6	0.075	0.100	0.090	0.040	0.750	0.675	0.300					
TBJA105*035CL#00++	A	1	35	3	0.35	3.5	7	4	6	0.075	0.158	0.142	0.063	0.474	0.427	0.190					
TBJB105*035CL#00++	B	1	35	6.5	3.5	3.5	4.2	4	6	0.085	0.114	0.103	0.046	0.743	0.669	0.297					
TBJB105*035CL#00++	B	1	35	2	0.35	3.5	7	4	6	0.085	0.206	0.186	0.082	0.412	0.371	0.165					
TBJA155*035CL#00++	A	1.5	35	7.5	0.525	5.25	10.5	6	8	0.075	0.120	0.090	0.040	0.750	0.675	0.300					
TBJA155*035CL#00++	A	1.5	35	5.2	0.525	5.25	10.5	6	8	0.085	0.128	0.115	0.051	0.665	0.598	0.266					
TBJB155*035CL#00++	B	1.5	35	2.5	0.525	5.25	10.5	6	8	0.085	0.184	0.166	0.074	0.461	0.415	0.184					
TBJC155*035CL#00++	C	1.5	35	4.5	0.525	5.25	6.3	6	8	0.110	0.156	0.141	0.063	0.704	0.633	0.281					
TBJA225*035CL#00++	A	2.2	35	4.5	0.77	7.7	15.4	6	8	0.075	0.129	0.116	0.052	0.581	0.523	0.232					
TBJA225*035CL#00++	A	2.2	35	1.5	0.77	7.7	15.4	6	8	0.075	0.224	0.201	0.089	0.335	0.302	0.134					
TBJB225*035CL#00++	B	2.2	35	4.2	0.77	7.7	15.4	6	8	0.085	0.142	0.128	0.057	0.597	0.538	0.239					
TBJB225*035CL#00++	B	2.2	35	2	0.77	7.7	15.4	6	8	0.085	0.206	0.186	0.082	0.412	0.371	0.165					
TBJC225*035CL#00++	C	2.2	35	3.5	0.77	7.7	9.24	6	8	0.110	0.177	0.160	0.071	0.620	0.558	0.248					
TBJC225*035CL#00++	C	2.2	35	1	0.77	7.7	15.4	6	8	0.110	0.332	0.298	0.133	0.332	0.298	0.133					
TBJB335*035CL#00++	B	3.3	35	3.5	1.155	11.55	23.1	6	8	0.085	0.156	0.140	0.062	0.545	0.491	0.218					
TBJB335*035CL#00++	B	3.3	35	1	1.155	11.55	23.1	6	8	0.085	0.292	0.262	0.117	0.292	0.262	0.117					
TBJC335*035CL#00++	C	3.3	35	2.5	1.155	11.55	13.86	6	8	0.110	0.210	0.189	0.084	0.524	0.472	0.210					
TBJC335*035CL#00++	C	3.3	35	0.7	1.155	11.55	23.1	6	8	0.110	0.336	0.307	0.159	0.277	0.250	0.111					
TBJB475*035CL#00++	B	4.7	35	3.1	1.645	16.45	32.9	6	8	0.085	0.166	0.149	0.066	0.513	0.462	0.205					
TBJB475*035CL#00++	B	4.7	35	0.7	1.645	16.45	32.9	6	8	0.085	0.348	0.314	0.139	0.244	0.220	0.098					
TBJC475*035CL#00++	C	4.7	35	2.2	1.645	16.45	32.9	6	8	0.110	0.224	0.201	0.089	0.492	0.443	0.197					
TBJC475*035CL#00++	C	4.7	35	0.6	1.645	16.45	32.9	6	8	0.110	0.428	0.385	0.171	0.257	0.231	0.103					
TBJD475*035CL#00++	D	4.7	35	1.5	1.645	16.45	19.74	6	8	0.150	0.316	0.285	0.126	0.474	0.427	0.190					
TBJD475*035CL#00++	D	4.7	35	0.5	1.645	16.45	32.9	6	8	0.150	0.548	0.493	0.219	0.274	0.246	0.110					
TBJC685*035CL#00++	C	6.8	35	1.8	2.38	23.8	47.6	6	8	0.110	0.247	0.222	0.099	0.445	0.400	0.178					
TBJC685*035CL#00++	C	6.8	35	0.35	2.38	23.8	47.6	6	8	0.110	0.561	0.505	0.224	0.196	0.177	0.078					

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	+25°C	+85°C	+125°C	+25°C	-55°C	DF Max	Power Dissipation	25°C	85°C	125°C	25°C	85°C	125°C	
Case	AVX COTS-Plus P/N	µF @ +25°C	V @ +85°C	Ohms @ +25°C	(µA)	(µA)	(%)	(%)	(%)	(%)	W	Ripple Current (100kHz)	Ripple Current (100kHz)	Ripple Current (100kHz)	V (100kHz)	V (100kHz)	V (100kHz)		
D	TB.D685'035C.LI#00++	6.8	35	1.3	2.38	23.8	6	9	9	9	0.150	0.340	0.306	0.219	0.442	0.397	0.177		
D	TB.D685'035L.LI#00++	6.8	35	0.5	2.38	23.8	6	9	9	9	0.150	0.548	0.493	0.219	0.274	0.246	0.110		
C	TB.C106'035C.LI#00++	10	35	1.6	3.5	35	6	9	9	9	0.110	0.262	0.236	0.171	0.257	0.231	0.103		
C	TB.C106'035L.LI#00++	10	35	0.6	3.5	35	6	9	9	9	0.110	0.428	0.385	0.171	0.257	0.231	0.103		
D	TB.D106'035C.LI#00++	10	35	1	3.5	35	6	9	9	9	0.150	0.387	0.349	0.155	0.387	0.349	0.155		
D	TB.D106'035L.LI#00++	10	35	0.3	3.5	35	6	9	9	9	0.150	0.707	0.636	0.283	0.212	0.191	0.085		
E	TB.E106'035C.LI#00++	10	35	0.25	3.5	35	6	9	10	9	0.165	0.812	0.731	0.325	0.203	0.183	0.081		
E	TB.E106'035L.LI#00++	10	35	0.2	3.5	35	6	9	10	9	0.165	0.908	0.817	0.363	0.182	0.163	0.073		
C	TB.C156'035C.LI#00++	15	35	1.4	5.25	52.5	105	6	9	9	0.110	0.290	0.252	0.112	0.392	0.363	0.157		
C	TB.C156'035L.LI#00++	15	35	0.35	5.25	52.5	105	6	9	9	0.110	0.561	0.505	0.224	0.196	0.177	0.078		
D	TB.D156'035C.LI#00++	15	35	0.9	5.25	52.5	105	6	9	9	0.150	0.408	0.367	0.163	0.367	0.331	0.147		
D	TB.D156'035L.LI#00++	15	35	0.3	5.25	52.5	105	6	9	9	0.150	0.707	0.636	0.283	0.212	0.191	0.085		
D	TB.D226'035C.LI#00++	22	35	0.9	7.7	77	154	6	9	9	0.150	0.408	0.367	0.163	0.367	0.331	0.147		
D	TB.D226'035L.LI#00++	22	35	0.4	7.7	77	154	6	9	9	0.150	0.612	0.551	0.245	0.245	0.220	0.098		
E	TB.E226'035C.LI#00++	22	35	0.9	7.7	77	154	6	9	9	0.165	0.428	0.385	0.171	0.385	0.347	0.154		
E	TB.E226'035L.LI#00++	22	35	0.3	7.7	77	154	6	9	9	0.165	0.742	0.667	0.297	0.222	0.200	0.089		
D	TB.D336'035C.LI#00++	33	35	0.9	11.55	115.5	231	6	9	9	0.150	0.408	0.367	0.163	0.367	0.331	0.147		
D	TB.D336'035L.LI#00++	33	35	0.3	11.55	115.5	231	6	9	9	0.150	0.707	0.636	0.283	0.212	0.191	0.085		
E	TB.E336'035C.LI#00++	33	35	0.25	11.55	115.5	231	6	9	10	0.165	0.812	0.731	0.325	0.203	0.183	0.081		
E	TB.E336'035L.LI#00++	33	35	0.1	11.55	115.5	231	6	8	10	0.165	1.285	1.156	0.514	0.128	0.116	0.051		
V	TB.V336'035L.LI#00++	33	35	0.2	11.55	115.5	231	6	9	10	0.250	1.118	1.006	0.447	0.224	0.201	0.089		
E	TB.E476'035C.LI#00++	47	35	0.25	16.45	164.5	329	6	9	10	0.165	0.812	0.731	0.325	0.203	0.183	0.081		
E	TB.E476'035L.LI#00++	47	35	0.2	16.45	164.5	329	6	9	10	0.165	1.285	1.156	0.514	0.128	0.116	0.051		
V	TB.V476'035C.LI#00++	47	35	0.2	16.45	164.5	329	6	9	10	0.250	1.118	1.006	0.447	0.224	0.201	0.089		
V	TB.V476'035L.LI#00++	47	35	0.2	16.45	164.5	329	6	10	10	0.250	1.118	1.006	0.447	0.224	0.201	0.089		
V	TB.V686'035C.LI#00++	68	35	0.2	23.8	238	476	6	9	10	0.250	1.118	1.006	0.447	0.224	0.201	0.089		
V	TB.V686'035L.LI#00++	68	35	0.15	23.8	238	476	6	9	10	0.250	1.291	1.162	0.516	0.194	0.174	0.077		
A	TB.A104'050C.LI#00++	0.1	50	22	0.05	0.5	0.6	6	8	8	0.075	0.058	0.053	0.023	1.285	1.156	0.514		
A	TB.A154'050C.LI#00++	0.15	50	21	0.02	0.2	0.4	4	6	6	0.075	0.060	0.054	0.024	1.255	1.129	0.502		
A	TB.A154'050L.LI#00++	0.15	50	9	0.075	0.75	1.5	4	6	6	0.075	0.091	0.082	0.037	0.822	0.739	0.329		
B	TB.B154'050C.LI#00++	0.15	50	17	0.075	0.75	0.9	4	6	6	0.085	0.071	0.064	0.028	1.202	1.082	0.481		
A	TB.A224'050C.LI#00++	0.22	50	18	0.11	1.1	2.2	4	6	6	0.075	0.065	0.058	0.026	1.162	1.046	0.465		
A	TB.A224'050L.LI#00++	0.22	50	7	0.11	1.1	2.2	4	6	6	0.075	0.104	0.093	0.041	0.725	0.652	0.290		
B	TB.B224'050C.LI#00++	0.22	50	14	0.11	1.1	1.32	4	6	6	0.085	0.078	0.070	0.031	1.091	0.982	0.436		
B	TB.B224'050L.LI#00++	0.22	50	12	0.165	1.65	1.98	4	6	6	0.085	0.084	0.076	0.034	1.010	0.909	0.404		
C	TB.C474'050C.LI#00++	0.47	50	8	0.235	2.35	2.82	4	6	6	0.110	0.117	0.106	0.047	0.938	0.844	0.375		
A	TB.A684'050C.LI#00++	0.68	50	7.9	0.34	3.4	6.8	4	6	8	0.075	0.097	0.088	0.039	0.770	0.693	0.308		
C	TB.C684'050C.LI#00++	0.68	50	7	0.34	3.4	4.08	4	6	6	0.110	0.125	0.113	0.050	0.877	0.790	0.351		
C	TB.C105'050C.LI#00++	1	50	6	0.5	5	6	4	6	6	0.110	0.135	0.122	0.054	0.812	0.731	0.325		
C	TB.C105'050L.LI#00++	1	50	2.5	0.5	5	10	4	6	6	0.110	0.210	0.189	0.084	0.524	0.472	0.210		
C	TB.C155'050C.LI#00++	1.5	50	5	0.75	7.5	15	6	8	9	0.110	0.148	0.133	0.059	0.742	0.667	0.297		
C	TB.C155'050L.LI#00++	1.5	50	1.5	0.75	7.5	15	6	10	10	0.110	0.271	0.244	0.108	0.406	0.366	0.162		
D	TB.D155'050C.LI#00++	1.5	50	4	0.75	7.5	9	6	8	9	0.150	0.194	0.174	0.077	0.775	0.697	0.310		
D	TB.D225'050C.LI#00++	2.2	50	2.5	1.1	11	13.2	6	8	9	0.150	0.245	0.220	0.098	0.612	0.551	0.245		
D	TB.D225'050L.LI#00++	2.2	50	1.2	1.1	11	22	6	9	10	0.150	0.354	0.318	0.141	0.424	0.382	0.170		
D	TB.D335'050C.LI#00++	3.3	50	2	1.65	16.5	19.8	6	9	9	0.150	0.274	0.246	0.110	0.548	0.493	0.219		
D	TB.D335'050L.LI#00++	3.3	50	0.8	1.65	16.5	33	6	9	10	0.150	0.433	0.390	0.173	0.346	0.312	0.139		
D	TB.D475'050C.LI#00++	4.7	50	1.5	2.35	23.5	28.2	6	9	9	0.150	0.316	0.285	0.126	0.474	0.427	0.190		
D	TB.D475'050L.LI#00++	4.7	50	0.3	2.35	23.5	47	6	9	9	0.150	0.707	0.636	0.283	0.212	0.191	0.085		
D	TB.D685'050C.LI#00++	6.8	50	1	3.4	34	68	6	9	9	0.150	0.387	0.349	0.155	0.387	0.349	0.155		
D	TB.D685'050L.LI#00++	6.8	50	0.5	3.4	34	68	6	9	9	0.150	0.548	0.493	0.219	0.274	0.246	0.110		
E	TB.E106'050C.LI#00++	10	50	0.5	5	50	100	6	9	10	0.165	0.574	0.517	0.230	0.287	0.259	0.115		
E	TB.E106'050L.LI#00++	10	50	0.4	5	50	100	6	9	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.

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		DF Max -55°C		Power Dissipation	25°C	85°C	125°C	25°C	85°C	125°C
	µF @ 25°C	V @ +85°C	Ohms @ +25°C	(µA) +25°C	(µA) +125°C	(%)	(%)	W	Ripple Current (100kHz) A	Ripple Current (100kHz) A	Ripple Current (100kHz) A	Ripple Voltage (100kHz) V	Ripple Voltage (100kHz) V	Ripple Voltage (100kHz) V	
AVX COTS-Plus P/N Case															
TB1V106*050C1#00^++	10	50	0.65	5	100	3	6	0.250	0.620	0.558	0.248	0.403	0.363	0.161	
TB1D156*050C1#00^++	15	50	0.6	7.5	150	4	6	0.150	0.500	0.450	0.200	0.300	0.270	0.120	
TB1E156*050C1#00^++	15	50	0.6	7.5	150	8	12	0.165	0.524	0.472	0.210	0.315	0.288	0.126	
TB1E156*050L1#00^++	15	50	0.25	7.5	150	6	9	0.165	0.812	0.731	0.325	0.203	0.183	0.081	
TB1V226*050C1#00^++	22	50	0.6	11	220	8	12	0.250	0.645	0.581	0.258	0.387	0.349	0.155	
TB1V226*050L1#00^++	22	50	0.39	11	220	8	12	0.250	0.801	0.721	0.320	0.312	0.281	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.**