

# TBJ Series



## COTS-Plus



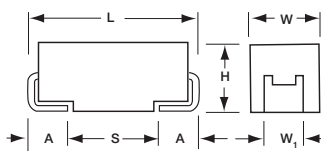
The TBJ COTS-Plus series, based on the CWR11 form factor, is a high reliability series encompassing the current range of EIA Low ESR ratings. These ratings are available with Weibull grading (B and C), surge current testing (A, B, C) per MIL-PRF-55365 Rev. G, and optional Group A from MIL-PRF-55365.

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)

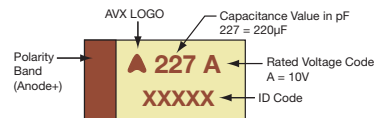


Code	EIA Code	EIA Metric	L±0.20 (0.008)	W+0.20 (0.008) -0.10 (0.004)	H+0.20 (0.008) -0.10 (0.004)	W <sub>1</sub> ±0.20 (0.008)	A+0.30 (0.012) -0.20 (0.008)	S Min.
A	1206	3216-18	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
B	1210	3528-21	3.50 (0.138)	2.80 (0.110)	1.90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

W<sub>1</sub> 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
<b>Type</b>	<b>Case Size</b>	<b>Capacitance Code</b>	<b>Capacitance Tolerance</b>	<b>Voltage Code</b>	<b>ESR</b>	<b>Packaging</b>	<b>Inspection Level</b>	<b>Reliability Grade</b>	<b>Qualification Level</b>	<b>Termination Finish</b>	<b>Surge Test Option</b>
		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 <sub>R</sub> )	≤ 85°C:	2	4	6	10	16	20	25	35	50
Category Voltage (V <sub>C</sub> )	≤ 125°C:	1.4	2.7	4	7	10	13	17	23	33
Surge Voltage (V <sub>S</sub> )	≤ 85°C:	2.6	5.2	8	13	20	26	32	46	65
Surge Voltage (V <sub>S</sub> )	≤ 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									
$\mu$ F	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)	A(2800) 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	+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)				
TBJ157*002L#00++	B	150	2	0.15	3	30	60	10	12	14	0.085	0.677	0.677	0.301	0.113	0.102	0.045				
TBJ227*002CL#00++	B	220	2	0.2	4.4	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	44	88	16	19	21	0.085	0.677	0.301	0.113	0.102	0.045	0.033				
TBJD227*002LL#00++	D	220	2	0.045	4.4	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	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	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	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	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	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	400	14	17	20	0.165	2.031	1.828	0.812	0.081	0.073	0.030				
TBJE108*002LL#00++	E	1000	2	0.03	20	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	600	20	24	28	0.150	1.225	1.102	0.490	0.122	0.110	0.049				
TBJE158*002LL#00++	E	1500	2	0.05	30	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	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	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	6	6	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	6	6	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	6	6	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	8	6	6	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	12	6	6	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	6	6	9	0.075	0.124	0.112	0.050	0.084	0.615	0.273				
TBJC336*004C#00++	C	33	4	2.2	1.32	13.2	26.4	6	6	9	0.110	0.224	0.201	0.089	0.492	0.443	0.197				
TBJA476*004LL#00++	A	4.7	4	0.5	1.88	18.8	37.6	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	6	6	9	0.150	0.236	0.236	0.105	0.420	0.378	0.168				
TBJD686*004C#00++	D	68	4	1.1	2.72	27.2	54.4	6	6	9	0.150	0.369	0.332	0.148	0.406	0.366	0.162				
TBJA107*004C#00++	A	100	4	1.4	4	40	80	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	40	80	8	10	12	0.085	0.230	0.207	0.093	0.369	0.332	0.148				
TBJB107*004LL#00++	B	100	4	0.2	4	40	80	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	10	12	14	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	6	6	9	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	6	6	9	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	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	8	10	12	0.150	1.936	1.743	0.775	0.077	0.070	0.031				
TBJE477*004C#00++	E	470	4	0.1	13.2	132	264	8	10	12	0.150	1.049	0.944	0.420	0.105	0.094	0.042				
TBJE477*004LL#00++	E	470	4	0.06	13.2	132	264	8	10	12	0.150	1.826	1.643	0.730	0.082	0.074	0.033				
TBJD337*004C#00++	D	330	4	0.045	13.2	132	264	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	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	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	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	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	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	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	10	12	14	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	10	12	14	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	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	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	16	18	20	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	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	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	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	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	6	6	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	6	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	6	6	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	6	6	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	6	6	9	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	6	6	9	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 @ +85°C	ESR @ 100kHz	DCL max @ +85°C	+125°C	+25°C	DF Max + (85/125)°C	-55°C	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)	(%)	(%)	W	A	A	A	V	V	V						
TBJB685*006CJ#00+0++	B	6.8	6	4.5	4.08	4.896	6	9	0.085	0.137	0.124	0.055	0.618	0.557	0.247						
TBJA106*006CJ#00+0++	A	10	6	4	6	12	6	9	0.075	0.137	0.123	0.055	0.548	0.493	0.219						
TBJA106*006LJ#00+0++	A	10	6	1.5	0.6	6	12	9	0.075	0.137	0.123	0.055	0.548	0.493	0.219						
TBJA106*006CJ#00+0++	B	10	6	3.5	0.6	7.2	6	9	0.085	0.156	0.140	0.062	0.545	0.491	0.218						
TBJA156*006CJ#00+0++	A	15	6	3.5	0.9	18	6	9	0.075	0.146	0.132	0.059	0.512	0.461	0.205						
TBJA156*006LJ#00+0++	A	15	6	1.5	0.9	18	6	9	0.075	0.224	0.201	0.089	0.335	0.302	0.134						
TBJB156*006CJ#00+0++	B	15	6	3.5	0.225	2.25	4.5	6	0.085	0.156	0.140	0.062	0.545	0.491	0.218						
TBJC156*006CJ#00+0++	C	15	6	3	0.9	10.8	6	6	0.110	0.191	0.172	0.077	0.574	0.517	0.230						
TBJA226*006CJ#00+0++	A	22	6	3	1.32	13.2	26.4	6	0.075	0.158	0.142	0.063	0.474	0.427	0.190						
TBJA226*006LJ#00+0++	A	22	6	0.5	1.32	13.2	26.4	6	0.075	0.387	0.349	0.155	0.194	0.174	0.077						
TBJB226*006CJ#00+0++	B	22	6	2.5	1.32	13.2	26.4	6	0.085	0.184	0.166	0.074	0.461	0.415	0.184						
TBJB226*006LJ#00+0++	B	22	6	0.375	1.32	13.2	26.4	6	0.085	0.428	0.428	0.190	0.179	0.161	0.071						
TBJC226*006CJ#00+0++	C	22	6	2.2	1.32	13.2	15.84	6	0.110	0.224	0.201	0.089	0.492	0.443	0.197						
TBJA336*006LJ#00+0++	A	33	6	0.6	1.98	19.8	39.6	8	0.075	0.354	0.318	0.141	0.212	0.191	0.085						
TBJB336*006CJ#00+0++	B	33	6	2.2	1.98	19.8	39.6	6	0.085	0.197	0.177	0.079	0.432	0.389	0.173						
TBJB336*006LJ#00+0++	B	33	6	0.6	1.98	19.8	39.6	6	0.085	0.376	0.339	0.151	0.226	0.203	0.090						
TBJA476*006LJ#00+0++	A	47	6	0.8	2.82	28.2	56.4	10	0.075	0.306	0.276	0.122	0.245	0.220	0.098						
TBJB476*006CJ#00+0++	B	47	6	0.35	2.82	28.2	56.4	6	0.085	0.444	0.444	0.197	0.172	0.155	0.069						
TBJB476*006LJ#00+0++	B	47	6	0.25	2.82	28.2	56.4	6	0.085	0.533	0.525	0.233	0.146	0.131	0.058						
TBJC476*006CJ#00+0++	C	47	6	1.6	2.82	28.2	56.4	6	0.110	0.282	0.236	0.105	0.420	0.378	0.168						
TBJC476*006LJ#00+0++	C	47	6	0.3	2.82	28.2	56.4	6	0.110	0.606	0.545	0.242	0.182	0.163	0.073						
TBJD476*006CJ#00+0++	D	47	6	1.1	2.82	28.2	33.84	6	0.150	0.369	0.332	0.148	0.406	0.366	0.162						
TBJB686*006CJ#00+0++	B	68	6	1.8	4.08	40.8	81.6	8	0.085	0.217	0.196	0.087	0.391	0.352	0.156						
TJB686*006LJ#00+0++	B	68	6	0.25	4.08	40.8	81.6	8	0.085	0.583	0.525	0.233	0.146	0.131	0.058						
TBJC686*006CJ#00+0++	C	68	6	1.6	4.08	40.8	81.6	6	0.110	0.282	0.236	0.105	0.420	0.378	0.168						
TBJC686*006LJ#00+0++	C	68	6	0.15	4.08	40.8	81.6	6	0.110	0.856	0.771	0.343	0.128	0.116	0.051						
TBJD686*006CJ#00+0++	D	68	6	0.9	4.08	40.8	48.96	6	0.150	0.408	0.367	0.163	0.367	0.331	0.147						
TBJD686*006LJ#00+0++	D	68	6	0.4	4.08	40.8	60	10	0.085	0.461	0.415	0.184	0.184	0.166	0.074						
TBJB107*006LJ#00+0++	B	100	6	0.25	6	60	120	10	0.085	0.583	0.525	0.233	0.146	0.131	0.058						
TBJC107*006CJ#00+0++	C	100	6	0.9	6	60	120	6	0.110	0.350	0.315	0.140	0.315	0.283	0.126						
TBJC107*006LJ#00+0++	C	100	6	0.15	6	60	120	6	0.110	0.856	0.771	0.343	0.128	0.116	0.051						
TBJD107*006CJ#00+0++	D	100	6	0.9	6	60	120	6	0.150	0.408	0.367	0.163	0.367	0.331	0.147						
TBJC157*006CJ#00+0++	C	150	6	0.09	9	90	180	6	0.110	1.06	0.996	0.442	0.099	0.090	0.040						
TBJC157*006LJ#00+0++	C	150	6	0.05	9	90	180	6	0.110	1.483	1.335	0.593	0.074	0.067	0.030						
TBJD157*006CJ#00+0++	D	150	6	0.9	9	90	180	6	0.150	0.408	0.367	0.163	0.367	0.331	0.147						
TBJD157*006LJ#00+0++	D	150	6	0.05	9	90	180	6	0.150	1.732	1.559	0.693	0.087	0.078	0.035						
TBJC227*006CJ#00+0++	C	220	6	1.2	13.2	132	264	10	0.110	0.303	0.272	0.121	0.363	0.327	0.145						
TBJC227*006LJ#00+0++	C	220	6	0.07	13.2	132	264	8	0.110	1.254	1.128	0.501	0.088	0.079	0.035						
TBJD227*006CJ#00+0++	D	220	6	0.9	13.2	132	264	8	0.150	0.408	0.367	0.163	0.367	0.331	0.147						
TBJD227*006LJ#00+0++	D	220	6	0.1	13.2	132	264	8	0.150	1.225	1.102	0.490	0.122	0.110	0.049						
TBJE227*006LJ#00+0++	E	220	6	0.1	13.2	132	264	8	0.165	1.286	1.156	0.514	0.128	0.116	0.051						
TBJD337*006CJ#00+0++	D	330	6	0.045	19.8	198	396	8	0.150	1.732	1.559	0.693	0.087	0.078	0.035						
TBJD337*006LJ#00+0++	D	330	6	0.9	19.8	198	396	8	0.150	4.428	3.885	0.171	0.385	0.347	0.154						
TBJE337*006CJ#00+0++	E	330	6	0.1	19.8	198	396	8	0.165	1.286	1.156	0.514	0.128	0.116	0.051						
TBJE337*006LJ#00+0++	E	330	6	0.1	19.8	198	396	8	0.165	1.581	1.423	0.632	0.158	0.142	0.063						
TBJD477*006CJ#00+0++	D	470	6	0.06	28.2	282	564	12	0.150	1.581	1.423	0.632	0.095	0.085	0.038						
TBJD477*006LJ#00+0++	D	470	6	0.045	28.2	282	564	12	0.150	1.826	1.643	0.730	0.082	0.074	0.033						
TBJE477*006CJ#00+0++	E	470	6	0.9	28.2	282	564	10	0.165	0.428	0.385	0.171	0.385	0.347	0.154						
TBJE477*006LJ#00+0++	E	470	6	0.05	28.2	282	564	10	0.165	1.817	1.635	0.727	0.091	0.082	0.036						
TBJV477*006CJ#00+0++	V	470	6	0.1	28.2	282	564	10	0.12	1.581	1.423	0.632	0.158	0.142	0.063						
TBJV477*006LJ#00+0++	V	470	6	0.055	28.2	282	564	10	0.12	2.132	1.919	0.853	0.117	0.106	0.047						
TBJE687*006CJ#00+0++	E	680	6	0.06	40.8	408	816	10	0.165	1.668	1.492	0.663	0.099	0.090	0.040						
TBJE687*006LJ#00+0++	E	680	6	0.045	40.8	408	816	10	0.165	1.915	1.723	0.766	0.096	0.078	0.034						
TBJV687*006CJ#00+0++	V	680	6	0.04	40.8	408	816	10	0.12	2.500	2.250	1.000	0.100	0.090	0.040						
TBJV687*006LJ#00+0++	V	680	6	0.035	40.8	408	816	14	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	Power Dissipation	25°C	85°C	125°C	25°C	85°C	125°C	25°C	85°C	125°C	
	µF @ +25°C	V @ +85°C	Ohms @ +25°C	(µA) @ +85°C	(%) @ +25°C	W	A (100kHz)	A (100kHz)	A (100kHz)	V (100kHz)	V (100kHz)	V (100kHz)	V (100kHz)	V (100kHz)	V (100kHz)	
AVX COTS-Plus P/N	Case															
TB1A108*0106CJ#00++	V	1000	6	0.05	60	1200	16	19	21	0.250	2.236	2.012	0.894	0.112	0.101	
TB1A108*006LJ#00++	V	1000	6	0.04	60	600	16	19	21	0.250	2.500	2.250	1.000	0.100	0.090	
TB1A108*010CJ#00++	A	1	10	10	0.1	1.2	4	6	6	0.075	0.087	0.078	0.035	0.035	0.035	
TB1A155*010CJ#00++	A	1.5	10	8	0.15	1.5	6	6	6	0.075	0.087	0.087	0.035	0.035	0.035	
TB1A225*010CJ#00++	A	2.2	10	8	0.22	2.2	6	6	6	0.075	0.087	0.087	0.035	0.035	0.035	
TB1A225*010LL#00++	A	2.2	10	1.8	0.22	2.2	4.4	6	9	0.075	0.204	0.184	0.082	0.082	0.082	
TB1B335*010CJ#00++	B	3.3	10	5.5	0.33	3.3	3.96	6	6	0.085	0.124	0.112	0.050	0.050	0.050	
TB1A475*010CJ#00++	A	4.7	10	5	0.47	4.7	9.4	6	9	0.075	0.122	0.110	0.049	0.049	0.049	
TB1A475*010LL#00++	A	4.7	10	1.4	0.47	4.7	9.4	6	9	0.075	0.231	0.208	0.093	0.093	0.093	
TB1B475*010CJ#00++	B	4.7	10	4.5	0.47	4.7	5.64	6	9	0.085	0.137	0.124	0.055	0.055	0.055	
TB1A685*010CJ#00++	A	6.8	10	4	0.68	6.8	13.6	6	9	0.075	0.137	0.123	0.055	0.055	0.055	
TB1A685*010LL#00++	A	6.8	10	1.8	0.68	6.8	13.6	6	9	0.075	0.204	0.184	0.082	0.082	0.082	
TB1B685*010CJ#00++	B	6.8	10	3.5	0.68	6.8	8.16	6	9	0.085	0.156	0.140	0.062	0.062	0.062	
TB1A106*010CJ#00++	A	10	10	3	1	10	20	6	9	0.075	0.158	0.142	0.063	0.063	0.063	
TB1A106*010LL#00++	A	10	10	1.8	1	10	20	6	9	0.075	0.204	0.184	0.082	0.082	0.082	
TB1B106*010CJ#00++	B	10	10	2.5	1	10	20	6	9	0.085	0.184	0.166	0.074	0.074	0.074	
TB1A156*010CJ#00++	A	15	10	3.2	1.5	15	30	6	9	0.075	0.153	0.138	0.061	0.061	0.061	
TB1A156*010LL#00++	A	15	10	1	1.5	15	30	6	9	0.075	0.274	0.246	0.110	0.110	0.110	
TB1B156*010CJ#00++	B	15	10	2.8	1.5	15	30	6	9	0.085	0.174	0.157	0.070	0.070	0.070	
TB1B156*010LL#00++	B	15	10	0.45	1.5	15	30	6	9	0.085	0.435	0.391	0.174	0.174	0.174	
TB1C156*010CJ#00++	C	15	10	2.5	1.5	15	18	6	9	0.110	0.210	0.189	0.084	0.084	0.084	
TB1B225*010CJ#00++	B	22	10	2.4	2.2	22	44	6	9	0.085	0.198	0.169	0.095	0.095	0.095	
TB1B225*010LL#00++	B	22	10	0.7	2.2	22	44	6	9	0.085	0.348	0.314	0.139	0.139	0.139	
TB1C225*010CJ#00++	C	22	10	1	2.2	22	44	6	9	0.110	0.332	0.298	0.133	0.133	0.133	
TB1C225*010LL#00++	C	22	10	0.3	2.2	22	44	6	9	0.110	0.606	0.545	0.242	0.242	0.242	
TB1A336*010CJ#00++	A	33	10	1.7	3.3	33	66	8	10	0.075	0.210	0.189	0.084	0.084	0.084	
TB1A336*010LL#00++	A	33	10	0.7	3.3	33	66	8	10	0.075	0.327	0.296	0.131	0.131	0.131	
TB1B336*010CJ#00++	B	33	10	1.8	3.3	33	66	6	9	0.085	0.217	0.196	0.087	0.087	0.087	
TB1B336*010LL#00++	B	33	10	0.25	3.3	33	66	6	8	0.085	0.583	0.525	0.233	0.233	0.233	
TB1C336*010CJ#00++	C	33	10	1.6	3.3	33	66	6	9	0.110	0.262	0.236	0.105	0.105	0.105	
TB1C336*010LL#00++	C	33	10	0.15	3.3	33	66	6	9	0.110	0.856	0.771	0.343	0.343	0.343	
TB1D336*010CJ#00++	D	33	10	1.1	3.3	33	39.6	6	9	0.150	0.369	0.332	0.148	0.148	0.148	
TB1B476*010CJ#00++	B	47	10	0.35	4.7	47	94	8	10	0.085	0.493	0.444	0.197	0.197	0.197	
TB1B476*010LL#00++	B	47	10	0.25	4.7	47	94	8	10	0.085	0.525	0.483	0.233	0.233	0.233	
TB1C476*010CJ#00++	C	47	10	1.2	4.7	47	94	6	9	0.110	0.303	0.272	0.121	0.121	0.121	
TB1C476*010LL#00++	C	47	10	0.2	4.7	47	94	6	9	0.110	0.742	0.667	0.297	0.297	0.297	
TB1D476*010CJ#00++	D	47	10	0.1	4.7	47	56.4	6	9	0.150	0.408	0.367	0.163	0.163	0.163	
TB1B886*010CJ#00++	B	68	10	0.6	6.8	68	136	8	10	0.085	1.225	1.102	0.490	0.490	0.490	
TB1C886*010CJ#00++	C	68	10	1.2	6.8	68	136	6	10	0.110	0.376	0.339	0.151	0.151	0.151	
TB1C886*010LL#00++	C	68	10	0.08	6.8	68	136	6	10	0.110	1.173	1.055	0.469	0.469	0.469	
TB1D886*010CJ#00++	D	68	10	0.9	6.8	68	136	6	9	0.150	0.408	0.367	0.163	0.163	0.163	
TB1D886*010LL#00++	D	68	10	0.1	6.8	68	136	6	9	0.150	1.225	1.102	0.490	0.490	0.490	
TB1B107*010CJ#00++	B	100	10	0.4	10	100	200	8	10	0.085	0.461	0.415	0.184	0.184	0.184	
TB1C107*010CJ#00++	C	100	10	1.2	10	100	200	8	10	0.110	0.303	0.272	0.121	0.121	0.121	
TB1C107*010LL#00++	C	100	10	0.2	10	100	200	8	10	0.110	0.742	0.667	0.297	0.297	0.297	
TB1D107*010CJ#00++	D	100	10	0.9	10	100	200	6	9	0.150	0.408	0.367	0.163	0.163	0.163	
TB1D107*010LL#00++	D	100	10	0.1	10	100	200	6	9	0.150	1.225	1.102	0.490	0.490	0.490	
TB1E107*010CJ#00++	E	100	10	0.125	10	100	200	6	9	0.165	0.165	0.156	0.074	0.074	0.074	
TB1D157*010CJ#00++	D	150	10	0.9	15	150	300	8	10	0.150	0.408	0.367	0.163	0.163	0.163	
TB1D157*010LL#00++	D	150	10	0.1	15	150	300	8	10	0.150	1.225	1.102	0.490	0.490	0.490	
TB1E157*010CJ#00++	E	150	10	0.1	15	150	300	8	10	0.165	0.165	0.156	0.074	0.074	0.074	
TB1D227*010CJ#00++	D	220	10	0.9	22	220	440	8	10	0.150	0.408	0.367	0.163	0.163	0.163	
TB1D227*010LL#00++	D	220	10	0.15	22	220	440	8	10	0.150	1.000	0.900	0.400	0.400	0.400	
TB1E227*010CJ#00++	E	220	10	0.9	22	220	440	8	10	0.165	0.428	0.385	0.171	0.171	0.171	
TB1E227*010LL#00++	E	220	10	0.1	22	220	440	8	10	0.165	1.265	1.156	0.514	0.514	0.514	

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			
	µF	V	Ohms	(µA)	(µA)	(%)	(%)	(%)	(%)	(%)	W	A	A	A	A	A	A			
AVX COTS-Plus P/N / Case																				
TBJD337010CL#00++	D	330	10	0.15	33	330	660	660	8	10	12	1.000	0.900	0.400	0.150	0.135	0.060			
TBJE337010CL#00++	E	330	10	0.9	33	330	660	660	8	10	12	1.165	0.428	0.171	0.385	0.347	0.154			
TBJE337010LL#00++	E	330	10	0.06	33	330	660	660	8	10	12	1.658	1.492	0.663	0.099	0.090	0.040			
TBJV337010CL#00++	V	330	10	0.1	33	330	660	660	8	10	12	0.250	1.423	0.632	0.158	0.142	0.063			
TBJV337010LL#00++	V	330	10	0.06	33	330	660	660	10	12	14	0.250	2.041	1.837	0.816	0.122	0.049			
TBJE477010CL#00++	E	470	10	0.9	47	470	940	940	10	12	14	0.165	0.428	0.385	0.171	0.085	0.154			
TBJE477010LL#00++	E	470	10	0.05	47	470	940	940	10	12	14	1.635	1.817	1.635	0.727	0.082	0.036			
TBJV477010CL#00++	V	470	10	0.1	47	470	940	940	10	12	14	0.250	1.581	1.423	0.632	0.158	0.142			
TBJV477010LL#00++	V	470	10	0.06	47	470	940	940	10	12	14	0.250	2.041	1.837	0.816	0.122	0.049			
TBJA6847015CL#00++	A	0.68	15	12	0.102	1.02	1.224	4	6	6	6	0.075	0.079	0.071	0.032	0.949	0.854			
TBJA1557015CL#00++	A	1.5	15	8	0.225	2.25	2.7	4	6	6	6	0.075	0.087	0.078	0.035	0.866	0.779			
TBJA1557015CL#00++	A	1.5	15	8	0.225	2.25	2.7	4	6	6	6	0.075	0.087	0.078	0.035	0.866	0.779			
TBJB2257015CL#00++	B	2.2	15	5.5	0.33	3.3	3.96	6	6	6	6	0.085	0.124	0.112	0.050	0.684	0.615			
TBJB3357015CL#00++	B	3.3	15	5	0.495	4.95	5.94	6	6	6	6	0.085	0.130	0.117	0.052	0.652	0.587			
TBJB4757015CL#00++	B	4.7	15	4	0.705	7.05	8.46	6	6	6	6	0.085	0.146	0.131	0.058	0.583	0.525			
TBJC1067015CL#00++	C	10	15	2.5	1.5	15	18	6	6	6	6	0.110	0.210	0.189	0.084	0.524	0.472			
TBJD2287015CL#00++	D	22	15	1.1	3.3	33	39.6	6	6	6	6	0.150	0.369	0.332	0.148	0.406	0.366			
TBJD3367015CL#00++	D	33	15	0.9	4.95	49.5	59.4	6	6	6	6	0.150	0.408	0.367	0.163	0.367	0.331			
TBJD157015LL#00++	D	150	15	0.05	5.625	56.25	112.5	6	6	6	6	0.150	1.792	1.589	0.688	0.087	0.078			
TBJA6847016CL#00++	A	0.68	16	12	0.109	1.088	2.176	4	4	4	4	0.075	0.079	0.071	0.032	0.949	0.854			
TBJA1087016CL#00++	A	1	16	10	0.16	1.6	3.2	4	6	6	6	0.075	0.087	0.078	0.035	0.866	0.779			
TBJA2257016CL#00++	A	2.2	16	5.5	0.352	3.52	7.04	6	6	6	6	0.075	0.117	0.105	0.047	0.642	0.578			
TBJA2257016LL#00++	A	2.2	16	1.8	0.352	3.52	7.04	6	6	6	6	0.075	0.204	0.184	0.082	0.587	0.531			
TBJE2257016CL#00++	B	2.2	16	5	0.352	3.52	7.04	6	6	6	6	0.085	0.130	0.117	0.052	0.652	0.587			
TBJA3357016CL#00++	A	3.3	16	5	0.528	5.28	10.56	6	6	6	6	0.075	0.122	0.110	0.049	0.612	0.551			
TBJA3357016LL#00++	A	3.3	16	3.5	0.528	5.28	10.56	6	6	6	6	0.075	0.146	0.132	0.059	0.512	0.461			
TBJB3357016CL#00++	B	3.3	16	4.5	0.528	5.28	10.56	6	6	6	6	0.085	0.137	0.124	0.055	0.618	0.557			
TBJA4757016CL#00++	A	4.7	16	4	0.752	7.52	15.04	6	6	6	6	0.075	0.137	0.123	0.055	0.548	0.493			
TBJA4757016LL#00++	A	4.7	16	2	0.752	7.52	15.04	6	6	6	6	0.075	0.194	0.174	0.077	0.387	0.349			
TBJB4757016CL#00++	B	4.7	16	3.1	0.752	7.52	15.04	6	6	6	6	0.085	0.166	0.149	0.066	0.513	0.462			
TBJB4757016LL#00++	B	4.7	16	0.8	0.752	7.52	15.04	6	6	6	6	0.085	0.326	0.293	0.130	0.261	0.235			
TBJA6857016CL#00++	A	6.8	16	2.5	1.088	10.88	21.76	6	6	6	6	0.075	0.173	0.156	0.089	0.433	0.390			
TBJA6857016LL#00++	A	6.8	16	1.5	1.088	10.88	21.76	6	6	6	6	0.075	0.224	0.201	0.089	0.302	0.274			
TBJB6857016CL#00++	B	6.8	16	2.5	1.088	10.88	21.76	6	6	6	6	0.085	0.184	0.166	0.074	0.461	0.415			
TBJB6857016LL#00++	B	6.8	16	0.6	1.088	10.88	21.76	6	6	6	6	0.085	0.376	0.339	0.151	0.226	0.203			
TBJA1067016CL#00++	A	10	16	3	1.6	16	32	6	6	6	6	0.075	0.158	0.142	0.063	0.474	0.427			
TBJA1067016LL#00++	A	10	16	1	1.6	16	32	6	6	6	6	0.075	0.274	0.246	0.110	0.274	0.246			
TBJB1067016CL#00++	B	10	16	2.8	1.6	16	32	6	6	6	6	0.085	0.174	0.157	0.070	0.488	0.439			
TBJB1067016LL#00++	B	10	16	0.5	1.6	16	32	6	6	6	6	0.085	0.412	0.371	0.165	0.206	0.186			
TBJC1067016CL#00++	C	10	16	2.5	1.6	16	32	6	6	6	6	0.110	0.210	0.189	0.084	0.524	0.472			
TBJC1067016LL#00++	C	10	16	0.5	1.6	16	32	6	6	6	6	0.110	0.469	0.422	0.188	0.235	0.211			
TBJB1567016CL#00++	B	15	16	0.8	2.4	24	48	6	6	6	6	0.085	0.326	0.293	0.130	0.261	0.235			
TBJB1567016LL#00++	B	15	16	1.8	2.4	24	48	6	6	6	6	0.110	0.247	0.222	0.099	0.445	0.400			
TBJB2287016CL#00++	B	22	16	2.3	3.52	35.2	70.4	6	6	6	6	0.085	0.192	0.173	0.077	0.442	0.398			
TBJB2287016LL#00++	B	22	16	0.6	3.52	35.2	70.4	6	6	6	6	0.085	0.376	0.339	0.151	0.226	0.203			
TBJC2287016CL#00++	C	22	16	1.6	3.52	35.2	70.4	6	6	6	6	0.110	0.282	0.262	0.105	0.420	0.378			
TBJC2287016LL#00++	C	22	16	0.375	3.52	35.2	70.4	6	6	6	6	0.110	0.542	0.487	0.217	0.203	0.183			
TBJD2287016CL#00++	D	22	16	1.1	3.52	35.2	70.4	6	6	6	6	0.150	0.369	0.332	0.148	0.406	0.366			
TBJB3367016CL#00++	B	33	16	0.35	5.28	52.8	105.6	6	6	6	6	0.085	0.443	0.404	0.197	0.172	0.155			
TBJB3367016LL#00++	B	33	16	1.5	5.28	52.8	105.6	6	6	6	6	0.110	0.271	0.244	0.108	0.406	0.366			
TBJC3367016CL#00++	C	33	16	0.3	5.28	52.8	105.6	6	6	6	6	0.110	0.606	0.545	0.242	0.182	0.163			
TBJC3367016LL#00++	C	33	16	0.9	5.28	52.8	105.6	6	6	6	6	0.150	0.408	0.367	0.163	0.367	0.331			
TBJD3367016CL#00++	D	33	16	0.2	5.28	52.8	105.6	6	6	6	6	0.150	0.866	0.779	0.346	0.173	0.156			
TBJD3367016LL#00++	D	33	16	1.5	5.28	52.8	105.6	6	6	6	6	0.110	0.271	0.244	0.108	0.406	0.366			
TBJC4767016CL#00++	C	47	16	0.35	7.52	75.2	150.4	6	6	6	6	0.110	0.561	0.505	0.224	0.196	0.177			
TBJC4767016LL#00++	C	47	16	0.9	7.52	75.2	150.4	6	6	6	6	0.150	0.408	0.367	0.163	0.367	0.331			
TBJD4767016CL#00++	D	47	16	0.15	7.52	75.2	150.4	6	6	6	6	0.150	1.000	0.900	0.400	0.150	0.135			
TBJD4767016LL#00++	D	47	16	0.15	7.52	75.2	150.4	6	6	6	6	0.150	1.000	0.900	0.400	0.150	0.135			

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	
	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																		
TBJC886'016CJL#00++	C	68	16	0.2	10.88	108.8	217.6	6	9	10	0.110	0.667	0.297	0.148	0.133	0.106	0.059	
TBJC886'016CLL#00++	C	68	16	0.125	10.88	108.8	217.6	6	9	10	0.110	0.844	0.375	0.117	0.106	0.047	0.047	
TBJD886'016CJL#00++	D	68	16	0.9	10.88	108.8	217.6	6	9	10	0.150	0.367	0.163	0.367	0.102	0.092	0.041	
TBJD886'016CLL#00++	D	68	16	0.07	10.88	108.8	217.6	6	9	10	0.150	1.317	0.586	0.102	0.092	0.041	0.041	
TBJD107'016CJL#00++	D	100	16	0.9	16	160	320	6	9	10	0.150	0.408	0.163	0.367	0.102	0.092	0.041	
TBJD107'016CLL#00++	D	100	16	0.125	16	160	320	6	9	10	0.150	0.986	0.438	0.137	0.123	0.065	0.065	
TBJE107'016CJL#00++	E	100	16	0.9	16	160	320	6	9	10	0.165	0.428	0.385	0.171	0.385	0.347	0.154	
TBJE107'016CLL#00++	E	100	16	0.1	16	160	320	6	9	10	0.165	1.285	0.514	0.128	0.116	0.051	0.051	
TBJD157'016CJL#00++	D	150	16	0.9	24	240	480	6	9	10	0.150	0.367	0.163	0.367	0.102	0.092	0.041	
TBJD157'016CLL#00++	D	150	16	0.15	24	240	480	6	9	10	0.150	1.000	0.400	0.106	0.106	0.060	0.060	
TBJE157'016CJL#00++	E	150	16	0.3	24	240	480	6	9	10	0.165	0.742	0.297	0.222	0.200	0.089	0.089	
TBJE157'016CLL#00++	E	150	16	0.1	24	240	480	6	9	10	0.165	1.285	0.514	0.128	0.116	0.051	0.051	
TBM157'016CJL#00++	V	150	16	0.075	24	240	480	6	10	12	0.250	1.826	1.643	0.730	0.123	0.123	0.055	
TBM157'016CLL#00++	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	
TBJE227'016CJL#00++	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	
TBJE227'016CLL#00++	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	
TBM227'016CJL#00++	V	220	16	0.075	35.2	352	704	8	10	12	0.250	1.826	1.643	0.730	0.123	0.123	0.055	
TBM227'016CLL#00++	V	220	16	0.14	35.2	352	704	4	6	8	0.075	0.073	0.066	0.029	0.137	0.123	0.055	
TBA684'020CJL#00++	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	
TBJA105'020CJL#00++	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	
TBJA105'020CLL#00++	A	1	20	3	0.2	2	4	4	6	6	0.075	0.153	0.142	0.063	0.474	0.190	0.190	
TBJA155'020CJL#00++	A	1.5	20	6.5	0.3	3	6	4	8	10	0.075	0.107	0.097	0.043	0.698	0.628	0.279	
TBJB155'020CJL#00++	B	1.5	20	6	0.3	3	3.6	6	6	8	0.085	0.119	0.107	0.048	0.714	0.643	0.286	
TBJA225'020CJL#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	0.427	0.190	
TBJA225'020CLL#00++	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	
TBJB225'020CJL#00++	B	2.2	20	5	0.44	4.4	5.28	6	9	10	0.085	0.130	0.117	0.052	0.652	0.587	0.261	
TBJA335'020CJL#00++	A	3.3	20	2.5	0.66	6.6	13.2	6	9	10	0.075	0.173	0.156	0.069	0.433	0.390	0.173	
TBJB335'020CJL#00++	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	
TBJB335'020CLL#00++	B	3.3	20	1.3	0.66	6.6	13.2	6	8	10	0.085	0.256	0.230	0.102	0.332	0.299	0.133	
TBJA475'020CJL#00++	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	
TBJA475'020CLL#00++	A	4.7	20	1.8	0.94	9.4	18.8	6	8	10	0.075	0.204	0.184	0.082	0.367	0.331	0.147	
TBJB475'020CJL#00++	B	4.7	20	3	0.94	9.4	18.8	6	9	10	0.085	0.168	0.151	0.067	0.505	0.454	0.202	
TBJB475'020CLL#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	0.227	0.101	
TBJC475'020CJL#00++	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	
TBJA685'020CJL#00++	A	6.8	20	1	1.36	13.6	27.2	6	8	10	0.075	0.246	0.210	0.082	0.274	0.246	0.110	
TBJB685'020CJL#00++	B	6.8	20	2.5	1.36	13.6	27.2	6	8	10	0.085	0.184	0.166	0.074	0.461	0.415	0.184	
TBJB685'020CLL#00++	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	
TBJC685'020CJL#00++	C	6.8	20	2.4	1.36	13.6	16.32	6	9	9	0.110	0.214	0.193	0.086	0.514	0.462	0.206	
TBJB106'020CJL#00++	B	10	20	2.1	2	20	40	6	8	8	0.085	0.201	0.181	0.080	0.422	0.380	0.169	
TBJB106'020CLL#00++	B	10	20	1	2	20	40	6	8	10	0.085	0.292	0.262	0.117	0.292	0.262	0.117	
TBJC106'020CJL#00++	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	
TBJC106'020CLL#00++	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	
TBJB156'020CJL#00++	B	15	20	2	3	30	60	6	8	10	0.085	0.206	0.186	0.082	0.412	0.371	0.165	
TBJB156'020CLL#00++	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	
TBJC156'020CJL#00++	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	
TBJC156'020CLL#00++	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	
TBJD156'020CJL#00++	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	
TBJB225'020CJL#00++	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	
TBJB225'020CLL#00++	B	22	20	0.4	4.4	44	88	6	8	10	0.085	0.461	0.415	0.184	0.184	0.166	0.074	
TBJC225'020CJL#00++	C	22	20	1.6	4.4	44	88	6	9	10	0.110	0.236	0.236	0.105	0.420	0.378	0.168	
TBJC225'020CLL#00++	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	
TBJD225'020CJL#00++	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	
TBJD225'020CLL#00++	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	
TBJC336'020CJL#00++	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	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	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)				
TBJC336*020L#00++	C	33	20	0.3	66	132	6	9	10	0.110	0.606	0.545	0.242	0.182	0.163	0.073					
TBD336*020CL#00++	D	33	20	0.9	66	132	6	8	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBD336*020L#00++	D	33	20	0.1	66	132	6	8	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBD476*020CL#00++	D	47	20	0.2	94	188	6	8	10	0.150	0.866	0.779	0.346	0.173	0.156	0.069					
TBD476*020L#00++	D	47	20	0.1	94	188	6	8	10	0.150	1.225	1.102	0.490	0.122	0.110	0.049					
TBE476*020CL#00++	E	47	20	0.25	94	188	6	8	10	0.165	0.812	0.731	0.325	0.203	0.183	0.081					
TBE476*020L#00++	E	47	20	0.07	94	188	6	9	10	0.165	1.535	1.382	0.614	0.107	0.097	0.043					
TBD686*020CL#00++	D	68	20	0.9	136	272	6	8	10	0.150	0.408	0.367	0.163	0.367	0.331	0.147					
TBD686*020L#00++	D	68	20	0.07	136	272	6	8	10	0.150	1.464	1.317	0.586	0.102	0.092	0.041					
TBE686*020CL#00++	E	68	20	0.9	136	272	6	8	10	0.165	0.428	0.385	0.171	0.385	0.347	0.154					
TBE686*020L#00++	E	68	20	0.15	136	272	6	8	10	0.165	1.049	0.944	0.420	0.157	0.142	0.063					
TBD107*020CL#00++	D	100	20	0.1	200	400	6	9	10	0.150	1.225	1.102	0.490	0.122	0.110	0.049					
TBD107*020L#00++	D	100	20	0.085	200	400	6	9	10	0.150	1.328	1.196	0.531	0.113	0.102	0.045					
TBE107*020CL#00++	E	100	20	0.15	200	400	6	9	10	0.165	1.049	0.944	0.420	0.157	0.142	0.063					
TBE107*020L#00++	E	100	20	0.1	200	400	6	9	10	0.165	1.285	1.156	0.514	0.128	0.116	0.051					
TBM107*020CL#00++	V	100	20	0.085	200	400	6	10	12	0.250	1.715	1.543	0.686	0.146	0.131	0.058					
TBE157*020CL#00++	E	150	20	0.2	300	600	6	10	12	0.250	0.742	0.667	0.297	0.222	0.200	0.089					
TBM157*020L#00++	V	150	20	0.08	300	600	6	10	12	0.250	1.768	1.591	0.707	0.141	0.127	0.057					
TBA334*025CL#00++	A	0.33	25	15	0.083	0.825	0.99	4	6	0.075	0.071	0.064	0.028	1.061	0.955	0.424					
TBA474*025CL#00++	A	0.47	25	14	0.118	1.175	1.41	4	6	0.075	0.075	0.066	0.029	1.025	0.922	0.410					
TBA474*025L#00++	A	0.47	25	7	0.118	1.175	2.35	4	6	0.075	0.104	0.093	0.041	0.725	0.652	0.290					
TBA684*025CL#00++	A	0.68	25	10	0.088	0.88	1.36	4	6	0.075	0.087	0.078	0.035	0.666	0.779	0.346					
TBA684*025L#00++	A	0.68	25	6	0.17	1.7	3.4	4	6	0.075	0.112	0.101	0.045	0.671	0.604	0.288					
TBB684*025CL#00++	B	0.68	25	7.5	0.17	1.7	2.04	4	6	0.085	0.106	0.096	0.043	0.798	0.719	0.319					
TBA105*025CL#00++	A	1	25	8	0.25	2.5	5	4	6	0.075	0.097	0.087	0.039	0.775	0.697	0.310					
TBE105*025CL#00++	B	1	25	6.5	0.25	2.5	3	4	6	0.085	0.114	0.103	0.046	0.743	0.669	0.297					
TBA155*025CL#00++	A	1.5	25	7.5	0.375	3.75	7.5	6	8	0.075	0.100	0.090	0.040	0.750	0.675	0.300					
TBA155*025L#00++	A	1.5	25	3	0.375	3.75	7.5	6	8	0.075	0.158	0.142	0.063	0.474	0.427	0.190					
TBE155*025CL#00++	B	1.5	25	6.5	0.375	3.75	4.5	6	8	0.085	0.114	0.103	0.046	0.743	0.669	0.297					
TBE155*025L#00++	B	1.5	25	1.8	0.375	3.75	7.5	6	8	0.085	0.217	0.196	0.087	0.391	0.352	0.156					
TBE25*025CL#00++	B	2.2	25	4.5	0.55	5.5	11	6	8	0.085	0.137	0.124	0.055	0.618	0.557	0.247					
TBE25*025L#00++	B	2.2	25	0.9	0.55	5.5	11	6	8	0.085	0.307	0.277	0.123	0.277	0.249	0.111					
TBC25*025CL#00++	C	2.2	25	3.5	0.55	5.5	6.6	6	9	0.110	0.177	0.160	0.071	0.620	0.558	0.248					
TBA335*025CL#00++	A	3.3	25	1.5	0.825	8.25	16.5	6	9	0.075	0.224	0.201	0.089	0.335	0.302	0.134					
TBA335*025L#00++	A	3.3	25	1	0.825	8.25	16.5	6	9	0.075	0.246	0.246	0.110	0.274	0.246	0.110					
TBC335*025CL#00++	B	3.3	25	3.5	0.825	8.25	16.5	6	8	0.085	0.156	0.140	0.062	0.545	0.491	0.218					
TBE335*025CL#00++	B	3.3	25	0.75	0.825	8.25	16.5	6	9	0.085	0.337	0.303	0.135	0.252	0.227	0.101					
TBC335*025CL#00++	C	3.3	25	3.5	0.825	8.25	9.9	6	9	0.110	0.177	0.160	0.071	0.620	0.558	0.248					
TBA475*025CL#00++	A	4.7	25	2.8	1.175	11.75	23.5	6	8	0.075	0.164	0.147	0.065	0.458	0.412	0.183					
TBA475*025L#00++	A	4.7	25	2.8	1.175	11.75	23.5	6	8	0.075	0.214	0.214	0.095	0.357	0.321	0.143					
TBE475*025CL#00++	B	4.7	25	1.5	1.175	11.75	23.5	6	8	0.085	0.238	0.214	0.095	0.357	0.321	0.143					
TBC475*025CL#00++	C	4.7	25	2.5	1.175	11.75	14.1	6	8	0.110	0.210	0.199	0.084	0.524	0.472	0.210					
TBE685*025CL#00++	B	6.8	25	2.8	1.7	17	34	6	8	0.085	0.174	0.157	0.070	0.488	0.439	0.195					
TBE685*025L#00++	B	6.8	25	0.7	1.7	17	34	6	8	0.085	0.348	0.314	0.139	0.244	0.220	0.098					
TBC685*025CL#00++	C	6.8	25	2	1.7	17	34	6	8	0.110	0.235	0.211	0.094	0.469	0.422	0.188					
TBE885*025CL#00++	C	6.8	25	0.5	1.7	17	34	6	9	0.110	0.489	0.422	0.188	0.235	0.211	0.094					
TBC885*025CL#00++	C	6.8	25	1.4	1.7	17	20.4	6	8	0.150	0.296	0.256	0.131	0.458	0.412	0.183					
TBD106*025CL#00++	D	10	25	1.8	2.5	25	50	6	8	0.110	0.327	0.292	0.131	0.458	0.412	0.183					
TBC106*025CL#00++	C	10	25	0.5	2.5	25	50	6	8	0.110	0.469	0.422	0.188	0.235	0.211	0.094					
TBD106*025L#00++	D	10	25	1.2	2.5	25	30	6	8	0.150	0.354	0.318	0.141	0.424	0.400	0.178					
TBC106*025CL#00++	C	10	25	0.3	3.75	37.5	75	6	9	0.110	0.606	0.545	0.242	0.182	0.163	0.073					
TBE156*025CL#00++	C	15	25	0.22	3.75	37.5	75	6	9	0.110	0.707	0.636	0.283	0.156	0.140	0.062					
TBD156*025CL#00++	D	15	25	1	3.75	37.5	45	6	8	0.150	0.387	0.349	0.155	0.387	0.349	0.155					
TBD156*025L#00++	D	15	25	0.3	3.75	37.5	75	6	8	0.150	0.707	0.636	0.283	0.156	0.140	0.062					
TBC226*025CL#00++	C	22	25	1.4	5.5	55	110	6	8	0.110	0.280	0.252	0.112	0.392	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									
		Cap @ 120Hz @ 25°C	DC Rated Voltage @ +85°C	ESR @ 100kHz	DCL max @ +85°C	+25°C (µA)	+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)	(µA)	(%)	(%)	(%)	W	A (100kHz)	A (100kHz)	A (100kHz)	V (100kHz)	V (100kHz)	V (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					
TBM104*035CL#00++	A	0.1	35	24	0.035	0.35	0.42	4	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	3.29	4	6	8	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	5.25	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	5.25	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	5.25	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	5.25	5.25	6.3	6	9	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	9	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	10	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	9	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	9	0.110	0.336	0.357	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	9	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	9	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 @ +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	
Case	AVX COTS-Plus P/N	µF @ +25°C	V @ +85°C	Ohms @ +25°C	(µA)	(µA)	(%)	(%)	(%)	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)	(100kHz)		
D	TBJD685'035CJL#00+V+	6.8	35	1.3	2.38	23.8	6	9	9	0.150	0.306	0.306	0.442	0.397	0.177		
D	TBJD885'035LJL#00+V+	6.8	35	0.5	2.38	23.8	6	9	9	0.150	0.548	0.493	0.219	0.274	0.246		
C	TBJC106'035CJL#00+V+	10	35	1.6	3.5	35	6	9	9	0.110	0.236	0.236	0.171	0.257	0.168		
C	TBJC106'035LJL#00+V+	10	35	0.6	3.5	35	6	9	9	0.110	0.428	0.385	0.171	0.257	0.168		
D	TBJD106'035CJL#00+V+	10	35	1	3.5	35	6	9	9	0.150	0.387	0.349	0.155	0.387	0.349		
D	TBJD106'035LJL#00+V+	10	35	0.3	3.5	35	6	9	9	0.150	0.707	0.636	0.283	0.212	0.191		
E	TBJE106'035CJL#00+V+	10	35	0.25	3.5	35	6	9	10	0.165	0.812	0.731	0.325	0.203	0.183		
E	TBJE106'035LJL#00+V+	10	35	0.2	3.5	35	6	9	10	0.165	0.908	0.817	0.363	0.182	0.163		
C	TBJC156'035CJL#00+V+	15	35	1.4	5.25	52.5	6	9	9	0.110	0.290	0.252	0.112	0.392	0.363		
C	TBJC156'035LJL#00+V+	15	35	0.35	5.25	52.5	6	9	10	0.110	0.561	0.505	0.224	0.196	0.177		
D	TBJD156'035CJL#00+V+	15	35	0.9	5.25	52.5	6	9	9	0.150	0.408	0.367	0.163	0.367	0.331		
D	TBJD156'035LJL#00+V+	15	35	0.3	5.25	52.5	6	9	9	0.150	0.707	0.636	0.283	0.212	0.191		
D	TBJD226'035CJL#00+V+	22	35	0.9	7.7	77	6	9	9	0.150	0.408	0.367	0.163	0.367	0.331		
D	TBJD226'035LJL#00+V+	22	35	0.4	7.7	77	6	9	9	0.150	0.612	0.551	0.245	0.245	0.220		
E	TBJE226'035CJL#00+V+	22	35	0.9	7.7	77	6	9	9	0.165	0.428	0.385	0.171	0.385	0.347		
E	TBJE226'035LJL#00+V+	22	35	0.3	7.7	77	6	9	9	0.165	0.742	0.667	0.297	0.222	0.200		
D	TBJD336'035CJL#00+V+	33	35	0.9	11.55	115.5	6	9	9	0.150	0.408	0.367	0.163	0.367	0.331		
D	TBJD336'035LJL#00+V+	33	35	0.3	11.55	115.5	6	9	9	0.150	0.707	0.636	0.283	0.212	0.191		
E	TBJE336'035CJL#00+V+	33	35	0.25	11.55	115.5	6	9	10	0.165	0.812	0.731	0.325	0.203	0.183		
E	TBJE336'035LJL#00+V+	33	35	0.1	11.55	115.5	6	8	10	0.165	1.285	1.156	0.514	0.128	0.116		
V	TBV336'035LJL#00+V+	33	35	0.2	11.55	115.5	6	9	10	0.250	1.118	1.006	0.447	0.224	0.201		
E	TBE476'035CJL#00+V+	47	35	0.25	16.45	164.5	6	9	9	0.165	0.812	0.731	0.325	0.203	0.183		
E	TBE476'035LJL#00+V+	47	35	0.2	16.45	164.5	6	9	9	0.165	1.285	1.156	0.514	0.128	0.116		
V	TBV476'035CJL#00+V+	47	35	0.4	16.45	164.5	6	9	10	0.250	1.118	1.006	0.447	0.224	0.201		
V	TBV476'035LJL#00+V+	47	35	0.2	16.45	164.5	6	9	10	0.250	1.118	1.006	0.447	0.224	0.201		
V	TBV686'035CJL#00+V+	68	35	0.2	23.8	238	6	9	9	0.250	1.118	1.006	0.447	0.224	0.201		
V	TBV686'035LJL#00+V+	68	35	0.15	23.8	238	6	9	10	0.250	1.291	1.162	0.516	0.194	0.174		
A	TBA104'050CJL#00+V+	0.1	50	22	0.05	0.5	6	8	8	0.075	0.058	0.053	0.023	1.285	1.156		
A	TBA154'050CJL#00+V+	0.15	50	21	0.02	0.2	4	6	6	0.075	0.060	0.054	0.024	1.255	1.129		
A	TBA154'050LJL#00+V+	0.15	50	9	0.075	0.75	4	6	6	0.085	0.091	0.082	0.037	0.822	0.739		
B	TBB154'050CJL#00+V+	0.15	50	17	0.075	0.75	4	6	6	0.085	0.071	0.064	0.028	1.202	1.082		
A	TBA224'050CJL#00+V+	0.22	50	18	0.11	1.1	2.2	4	6	0.075	0.065	0.058	0.026	1.162	1.046		
A	TBA224'050LJL#00+V+	0.22	50	7	0.11	1.1	2.2	4	6	0.075	0.104	0.093	0.041	0.725	0.652		
B	TBB224'050CJL#00+V+	0.22	50	14	0.11	1.1	1.32	4	6	0.085	0.078	0.070	0.031	1.091	0.982		
B	TBB224'050LJL#00+V+	0.22	50	12	0.165	1.65	1.98	4	6	0.085	0.084	0.076	0.034	1.010	0.909		
C	TBC474'050CJL#00+V+	0.47	50	8	0.235	2.35	2.82	4	6	0.110	0.117	0.106	0.047	0.938	0.844		
A	TBA684'050CJL#00+V+	0.68	50	7.9	0.34	3.4	6.8	4	6	0.075	0.097	0.088	0.039	0.770	0.693		
C	TBC684'050CJL#00+V+	0.68	50	7	0.34	3.4	4.08	4	6	0.110	0.125	0.113	0.050	0.877	0.790		
C	TBC105'050CJL#00+V+	1	50	6	0.5	5	6	6	6	0.110	0.135	0.122	0.054	0.812	0.731		
C	TBC105'050LJL#00+V+	1	50	2.5	0.5	5	10	4	6	0.110	0.210	0.199	0.084	0.524	0.472		
C	TBC155'050CJL#00+V+	1.5	50	5	0.75	7.5	15	6	8	0.110	0.148	0.133	0.059	0.742	0.667		
C	TBC155'050LJL#00+V+	1.5	50	1.5	0.75	7.5	15	6	10	0.110	0.271	0.244	0.108	0.406	0.366		
D	TBD155'050CJL#00+V+	1.5	50	4	0.75	7.5	9	6	8	0.150	0.194	0.174	0.077	0.775	0.697		
D	TBD225'050CJL#00+V+	2.2	50	2.5	1.1	11	13.2	6	8	0.150	0.245	0.220	0.098	0.612	0.551		
D	TBD225'050LJL#00+V+	2.2	50	1.2	1.1	11	22	6	10	0.150	0.354	0.318	0.141	0.424	0.382		
D	TBD335'050CJL#00+V+	3.3	50	2	1.65	16.5	19.8	6	9	0.150	0.274	0.246	0.110	0.548	0.493		
D	TBD335'050LJL#00+V+	3.3	50	0.8	1.65	16.5	33	6	10	0.150	0.433	0.390	0.173	0.346	0.312		
D	TBD475'050CJL#00+V+	4.7	50	1.5	2.35	23.5	28.2	6	9	0.150	0.316	0.285	0.126	0.474	0.427		
D	TBD475'050LJL#00+V+	4.7	50	0.3	2.35	23.5	47	6	9	0.150	0.707	0.636	0.283	0.212	0.191		
D	TBD685'050CJL#00+V+	6.8	50	1	3.4	34	68	6	9	0.150	0.387	0.349	0.155	0.387	0.349		
D	TBD685'050LJL#00+V+	6.8	50	0.5	3.4	34	68	6	9	0.150	0.548	0.493	0.219	0.274	0.246		
E	TBE106'050CJL#00+V+	10	50	0.5	5	50	100	6	9	0.165	0.574	0.517	0.230	0.287	0.259		
E	TBE106'050LJL#00+V+	10	50	0.4	5	50	100	6	9	0.165	0.642	0.578	0.257	0.257	0.231		

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 @ +25°C	DCL max +85°C	+25°C	+125°C	+25°C	-55°C	DF Max + (85/125)°C	Power Dissipation	25°C	85°C	125°C	25°C	85°C	125°C	25°C	85°C	125°C	
AVX COTS-Plus P/N	Case	µF	V	Ohms	(µA)	(µA)	(%)	(%)	W	A	A	A	A	A	A	A	V	V	V		
TB1V106*050C□□#0*++	V	10	50	0.65	5	100	3	6	0.250	0.620	0.558	0.248	0.403	0.363	0.161	0.300	0.270	0.120			
TB1D156*050C□□#0*++	D	15	50	0.6	7.5	150	4	6	0.150	0.500	0.450	0.200	0.300	0.270	0.120	0.300	0.270	0.120			
TB1E156*050C□□#0*++	E	15	50	0.6	7.5	150	8	10	0.165	0.524	0.472	0.210	0.315	0.283	0.126	0.325	0.203	0.081			
TB1E156*050L□□#0*++	E	15	50	0.25	7.5	150	6	9	0.165	0.812	0.731	0.325	0.203	0.183	0.081	0.325	0.203	0.081			
TB1V226*050C□□#0*++	V	22	50	0.6	11	220	8	10	0.250	0.645	0.581	0.258	0.387	0.349	0.155	0.387	0.349	0.155			
TB1V226*050L□□#0*++	V	22	50	0.39	11	220	8	10	0.250	0.801	0.721	0.320	0.312	0.281	0.125	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.**

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