

CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

Capacitance		Rated Voltage									
μF	Code	2.5 (0e)	4V (0G)	6.3V (0J)	10V (1A)	16V (1C)	20V (1D)	25V (1E)	35V (1V)	*Cap Code	
0.47	474					U				N	
1.0	105					M	M	M	S	A	
2.2	225				M/U	M				J	
4.7	475		U	M/U	M/U**	M				S	
10	106		U	M/U**	M	S				а	
15	156		U							e	
22	226		M/U**	M	M**/S					J	
33	336		M	M	M**/S					n	
47	476	M	M	M/S	S					S	
68	686		M/S							w	
100	107		M/S	M*4/S						A	
220	227		S							J	

Released ratings

*4 (AXE) Rated temperature 60°C and H dimension 1.0mm Max. Please contact AVX when you need detail spec.

* (LZT) Rated temperature 60°C. Please contact AVX when you need detail spec. Please contact to your local AVX sales office when these series are being designed in your application.

RATINGS & PART NUMBER REFERENCE

AVX	Case Size	Capacitance (µF)	Rated Voltage (V)	DCL (µA)	DF @ 120Hz (%)	ESR @ 100kHz (Ω)	100kHz RMS Current (mA)				*1	Mel
Part No.							25°C	60°C	85°C	125°C	(%)	MISL
		-			2.5	Volt						
F980E476MMA	M	47	2.5	1.2	30	4	79	-	71	32	±30	3
					4\	/olt						
F980G4/5MUA	U	4./	4	0.5	20	20	27	-	25	11	±30	3
F980G106MUA	U	10	4	0.8	25	20	2/	-	25	11	±30	3
F980G156MUA	U	15	4	9.0	40	25	24	-	22	10	±30	3
F980G226MMA	M	22	4	0.9	15	7.5	58	-	52	23	±30	3
F980G226MUALZT	U	22	4	25.0	40	20	2/	25	-	11	±30	3
F980G330MMA	IVI	33	4	1.3	30	4	79	-	71	32	±30	3
F980G476MMA	IVI	4/	4	1.9	40	8	50	-	50	22	±30	3
F980G080MMA	NI S	60	4	27.2	30	10	50	_	45	20	±30	3
E090C107MMA	3 M	100	4	2.7	60	4	50	_	95	42	±30 +20	2
F980G107MSA	S IVI	100	4	4.0	35	10	106	_	45	12	+30	3
E980G227MSA	S	220	4	132	80		95	-	85	38	+30	3
1 9000227W3A		220	-	152	63	Volt	55	1	00		100	5
E980.1475MMA	м	47	6.3	0.5	20	7.5	58	-	52	23	+30	3
F980.1475MLIA	 U	47	6.3	0.6	20	20	27	-	25	11	+30	3
F980.1106MMA	M	10	6.3	0.6	8	6	65	-	58	26	+30	3
F980J106MUALZT	U	10	6.3	6.3	30	30	22	20	-	9	±30	3
F980J226MMA	M	22	6.3	1.4	20	6	65	-	58	26	+30	3
F980J336MMA	M	33	6.3	4.2	35	8	56	-	50	22	±30	3
F980J476MMA	М	47	6.3	29.6	45	10	50	-	45	20	±30	3
F980J476MSA	S	47	6.3	3.0	25	6	87	-	78	35	±30	3
F980J107MMAAXE	M	100	6.3	126	80	10	50	45	-	20	±30	3
F980J107MSA	S	100	6.3	63.0	50	8	75	-	68	30	±30	3
					10 '	Volt						
F981A225MMA	M	2.2	10	0.5	6	7.5	58	-	52	23	±30	3
F981A225MUA	U	2.2	10	0.5	15	15	32	-	28	13	±30	3
F981A475MMA	M	4.7	10	0.5	6	6	65	-	58	26	±30	3
F981A475MUALZT	U	4.7	10	4.7	25	25	24	22	-	10	±30	3
F981A106MMA	М	10	10	1.0	20	7.5	58	-	52	23	±30	3
F981A226MMALZT	M	22	10	11.0	30	8	56	50	-	22	±30	3
F981A226MSA	S	22	10	2.2	20	4	106	-	95	42	±30	3
F981A336MMALZT	M	33	10	33.0	45	8	56	50	-	22	±30	3
F981A336MSA	S	33	10	3.3	30	6	87	-	78	35	±30	3
F981A476MSA	S	47	10	9.4	35	5	95	-	85	38	±30	3
16 Volt												
F981C4/4MUA	U	0.4/	16	0.5	6	25	24	-	22	10	±20	3
F981CT05MMA	M	1	16	0.5	6	10	50	-	45	20	±30	3
F9810225MMA	M	2.2	16	0.5	6	10	50	-	45	20	±30	3
F98104/5MMA	M	4./	16	0.8	12	12	40	-	41	18	±30	3
F981C100WISA	5	10	10	1.0	18	4	100	_	95	42	130	3
E091D105MMA	M	1	20	0.5			50	_	45	20	+20	2
I 90 I D I D JVIIVIA		1 1	20	0.5	25	Volt	50	_	45	20	130	3
1 JOTE TO SIMINA		· · ·	23	0.5	35	Volt	50		45	20	100	5
F981V105MSA	S	1	35	0.7	20	8	75	-	68	30	±30	3
	. <u> </u>			U .,		i v		I				ũ

*2: Leakage Current

After 5 minute's application of rated voltage, leakage current at 20°C.

Moisture Sensitivity Level (MSL) is defined according to J-STD-020.



The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or

available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

F98 Series Resin-Molded Chip, High CV Undertab



QUALIFICATION TABLE

теет	F98 series (Temperature range -55°C to +125°C)								
IESI	Condition								
Damp Heat (Steady State)	At 40°C, 90 to 95% R.H., 500 hours (No voltage applied) Capacitance Change								
Temperature Cycles	-55°C / +125°C, 30 minutes each, 5 cycles Capacitance Change								
Resistance to Soldering Heat	10 seconds reflow at 260°C, 5 seconds immersion at 260°C. Capacitance Change								
Surge	After application of surge in series with a 1kΩ resistor at the rate of 30 seconds ON, 30 seconds OFF, for 1000 successive test cycles at 85°C, capacitors shall meet the characteristic requirements in the table above. (Not applied to LZT and AXE.) Capacitance Change								
Endurance	After 1000 hours' application of rated voltage in series with a 3Ω resistor at 85°C or +60°C, capacitors shall meet the characteristic requirements in the table above. Capacitance Change								
Shear Test	After applying the pressure load of 5N for 10±1 seconds horizontally to the center of capacitor side body which has no electrode and has been soldered beforehand on a substrate, there shall be found neither exfoliation nor its sign at the terminal electrode. $\frac{1}{5N (0.51 \text{kg} \cdot f)} = \frac{1}{5N (0.51 \text{kg} \cdot f)}$								
Terminal Strength	Keeping a capacitor surface-mounted on a substrate upside down and supporting the substrate at both of the opposite bottom points 45mm apart from the center of capacitor, the pressure strength is applied with a specified jig at the center of substrate so that the substrate may bend by 1mm as illustrated. Then, there shall be found no remarkable abnormality on the capacitor terminals.								



Downloaded from Arrow.com.

F98 Series Resin-Molded Chip, High CV Undertab



AVX SOLID ELECTROLYTIC CAPACITOR ROADMAP



FIVE CAPACITOR CONSTRUCTION STYLES



SERIES LINE UP : CONVENTIONAL SMD MnO₂



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