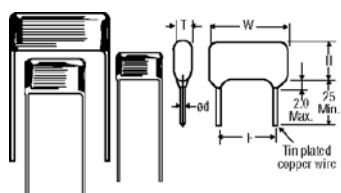


Type MDD Film Capacitors



- Non-Inductive Construction
- Non-Combustible, Epoxy Coated
- Capacitance Tolerance: $\pm 10\%$
- 250 VDC Rated (130 VAC), 400 VDC (200 VAC), and 630 VDC (250 VAC)
- MDD Series Crosses to Panasonic ECQ-XXXXXZ, S Series

These resin coated metallized polyester film capacitors are rated 250 VDC and 130 VAC at 60 Hz. **Capacitance Tolerance:** $\pm 10\%$. **Operating Temperature:** -40°C to $+85^\circ\text{C}$. Non-inductive construction. Non-combustible and epoxy coated. **Insulation Resistance:** Less than 0.33 $\mu\text{F} \geq 10,000 \text{ M}\Omega \times \mu\text{F}$. **Dissipation Factor:** $\leq 1\%$ at 1 kHz. **Stress Voltage Test:** Rated voltage $\times 1.5$ for one minute.

250 VDC (130 VAC at 60 Hz)

Stock No.	Mfr.'s Type	Cap. Mfd.	Dimensions (mm)				EACH			
			W max.	T max.	H max.	d max.	F	1-99	100-499	500-999
998-2101	MDD-22E103K	0.010	12.5	5.0	9.0	0.6	10.5	.30	.20	.23
998-2105	MDD-22E473K	0.047	12.5	5.0	9.5	0.6	10.0	.24	.17	
998-1007	MDD-22E523K	0.082	12.5	5.5	10.5	0.6	10.0	.33	.23	
998-2106	MDD-22E104K	0.100	12.5	5.5	11.0	0.6	10.0	.28	.20	
998-2108	MDD-22E224K	0.220	17.5	6.5	12.5	0.6	15.0	.30	.24	
998-2109	MDD-22E334K	0.330	23.0	6.0	12.0	0.8	20.0	.35	.30	
998-2110	MDD-22E684K	0.680	23.0	8.5	14.0	0.8	20.0	.51	.42	
998-2111	MDD-22E105K	1.000	31.0	8.5	14.0	0.8	27.5	.57	.48	
998-2113	MDD-22E225K	2.200	31.0	10.5	20.5	0.8	27.5	.63	.54	
								1.01	.85	

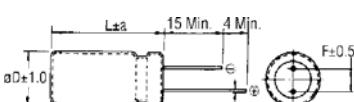
400 VDC/200 VAC

Stock No.	Mfr.'s Type	Cap. Mfd.	Dimensions (mm)				EACH			
			W max.	T max.	H max.	d max.	F	1-99	100-499	500-999
998-0401	MDD-22G103K	0.010	14.0	5.0	9.0	0.6	10.5	.32	.23	
998-0402	MDD-22G123K	0.012	14.0	5.5	9.0	0.6	10.5	.33	.24	
998-0403	MDD-22G153K	0.015	14.0	5.0	9.5	0.6	10.5	.33	.24	
998-0405	MDD-22G223K	0.022	14.0	5.5	10.0	0.6	10.5	.33	.19	
998-0409	MDD-22G473K	0.047	14.0	7.0	12.0	0.6	10.5	.33	.28	
998-0413	MDD-22G104K	0.100	17.0	7.5	14.5	0.6	13.5	.36	.31	
998-0417	MDD-22G224K	0.220	24.5	8.5	15.5	0.8	20.5	.48	.40	
998-0421	MDD-22G474K	0.470	29.5	10.0	17.5	0.8	25.5	.67	.57	
998-0423	MDD-22G684K	0.680	29.5	12.0	19.0	0.8	25.5	.98	.82	
998-0425	MDD-22G105K	1.000	29.5	15.0	22.0	0.8	25.5	1.30	1.06	

630 VDC/250 VAC

Stock No.	Mfr.'s Type	Cap. Mfd.	Dimensions (mm)				EACH			
			W max.	T max.	H max.	d max.	F	1-99	100-499	500-999
998-0601	MDD-22J103K	0.010	14.0	5.5	9.0	0.6	10.5	.25	.21	
998-0603	MDD-22J153K	0.015	14.0	6.0	10.5	0.6	10.5	.25	.21	
998-0604	MDD-22J183K	0.018	14.0	6.0	11.0	0.6	10.5	.30	.23	
998-0605	MDD-22J223K	0.022	14.0	6.5	12.0	0.6	10.5	.30	.23	
998-0607	MDD-22J333K	0.033	17.0	6.0	12.0	0.6	13.5	.31	.26	
998-0609	MDD-22J473K	0.047	17.0	7.0	13.5	0.6	13.5	.33	.28	
998-0612	MDD-22J823K	0.082	17.0	9.0	16.0	0.6	13.5	.43	.36	
998-0613	MDD-22J104K	0.100	24.5	7.0	14.0	0.8	20.5	.46	.37	
998-0616	MDD-22J184K	0.180	24.5	10.0	17.0	0.8	20.5	.68	.59	
998-0617	MDD-22J224K	0.220	29.5	9.5	17.0	0.8	25.5	.57	.51	

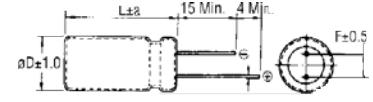
SH7 Series Electrolytic Capacitors



All devices in our SH7 series electrolytics are 7 mm in height. Values are available from .1 μF to 220 μF but stocked in 1, 2.2, 4.7, 10 and 47 μF . Voltage ratings are from 6.3 V to 63 V but stocked in 16, 25, 35 and 63 V. **Lead Spacing:** 4 mm diameter — 1.5 mm; 5 mm diameter — 2.0 mm; 6.3 mm diameter — 2.5 mm. **Operating Temperature:** -40°C to $+105^\circ\text{C}$. **Capacitance Tolerance:** $\pm 20\%$. Also available in tape and reel, and ammo pack as a special order item.

Stock No.	Mfr.'s Type	WV DC	Cap. μF	Dim. (mm)		EACH			
				D	L	1-99	100-499	500-999	
998-8503	25SH747	25	.47	6.3	7.00	.24	.14	.10	
998-8549	35SH710	35	10	5.0	7.00	.24	.14	.10	
998-8506	35SH74R7	35	4.7	4.0	7.00	.24	.14	.10	

Radial Lead Electrolytic Capacitors



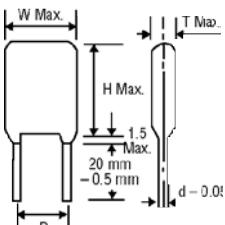
Compact, electrolytic capacitors for original equipment or replacement use in all kinds of communications equipment. **Operating Temperature:** -40°C to $+85^\circ\text{C}$. **Capacitance Tolerance:** $\pm 20\%$. **Life:** 2000 hours at $+85^\circ\text{C}$. **Rated Working Voltage Range:** 10 VDC to 100 VDC. **Capacitance Range:** 0.47 mfd to 10,000 mfd. Straight leads. Solvent proof type, long life.

Lead Spacing and Dia. — $L \leq 20.0 \text{ a} = 1.5$, $L > 20.0 \text{ a} = 2$

Body Dia.	ØD	5.0	6.3	8.0	10.0	13.0	16.0	18.0
Lead Dia.	F	2.0	2.5	3.5	5.0	5.0	7.5	7.5

tin plated copper wire

Epoxy Coated Polyester Film Capacitors



Design and Construction. **Dielectric:** Polyester film (polyethylene terephthalate film). **Electrode:** Aluminum foil — inductive wind — welded tabs. **Winding:** Fully automatic. <