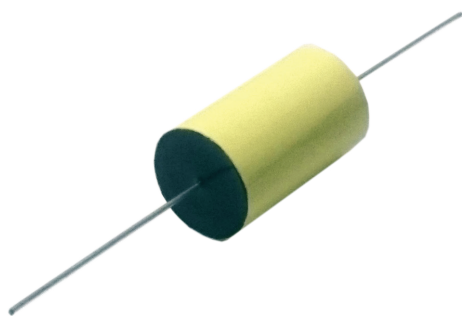


Type 951C, Metallized Polypropylene Film Capacitors

AC Rated, Round Axial Leaded, UL 810 Fail Safe, Rated 10,000 AFC



Type 951C, axial leaded metallized polypropylene capacitors are designed for UPS systems and other AC output filtering applications. With integrated fused metallization pattern, this product features UL 810 recognition for fail-safe operation at temperatures up to 85 °C.

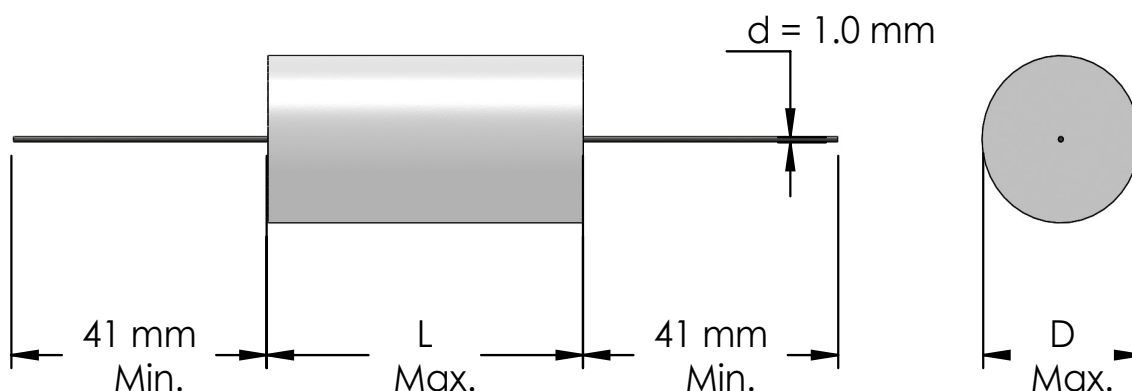
Highlights

- Fuse protection
- UL 810 recognized
- Low dissipation factor
- Self healing

Specifications

Capacitance Range	0.825 μ F to 40 μ F
Capacitance Tolerance	± 10 % (± 5 % optional)
Rated Voltage	160 Vac, 250 Vac and 275 Vac
Operating Temperature Range	-40 °C to 85 °C
IEC Climatic Category	40/85/56 (test conditions 40 °C, 85 % RH, rated voltage, 1000 hours)
Service Life Objective	10,000 h at rated voltage and 85 °C
Protection	UL 810 file number E71645
RoHS Compliant	

Dimensions



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Part Numbering System

951	C	X	W	2P7	K	SF-	-F
Series	Termination Code	Voltage Rating	Capacitance Decimal Point Designator	Capacitance Rating in μF	Tolerance Code	Metallization Type	RoHS Compliant Indicator
	C = Solid Lead Wires	I = 160 Vac Q = 250 Vac X = 275 Vac	P = 0. W = No Decimal Point	2 = 2 μF 2P7 = 2.7 μF 15 = 15 μF	K = $\pm 10\%$ J = $\pm 5\%$	SF = Segmented Fused	

Ratings

Part Number	Cap 1 kHz (μF)	Typ. ESR 10 kHz (m Ω)	Typ, ESL (nH)	I _{peak} (A)	dV/dT (V/ μs)	R _{th} ($^{\circ}\text{C}/\text{W}$)	I _{rms} 10 kHz 85 $^{\circ}\text{C}$ (A)	D (mm)	L (mm)
160 VAC									
951CQW2P7K-SF-F	2.7	25	22	151	56	6.2	2.6	15.3	35.0
951CIW4P7K-SF-F	4.7	24	22	263	56	4.9	2.8	18.8	35.0
951CIW10K-SF-F	10.0	22	34	320	32	3.1	3.6	20.4	50.0
951CIW15K-SF-F	15.0	14	34	480	32	2.6	4.5	24.1	50.0
951CIW20K-SF-F	20.0	14	34	640	32	2.2	5.3	27.3	50.0
951CIW30K-SF-F	30.0	13	41	749	25	1.7	6.2	29.2	60.0
951CIW40K-SF-F	40.0	13	41	998	25	1.5	6.7	33.1	60.0
250 VAC									
951CQW2K-SF-F	2.0	18	22	172	86	4.9	3.3	18.8	35.0
951CQW2P7K-SF-F	2.7	15	22	232	86	3.8	3.8	21.2	35.0
951CQW4P7K-SF-F	4.7	15	22	404	86	3.8	4.3	26.7	35.0
951CQW10K-SF-F	10.0	21	41	360	36	2.0	4.6	26.1	60.0
951CQW15K-SF-F	15.0	15	41	540	36	1.6	6.0	32.5	60.0
951CQW20K-SF-F	20.0	14	41	720	36	1.4	6.7	37.5	60.0
951CQW30K-SF-F	30.0	13	41	1080	36	1.1	7.5	44.0	60.0
951CQW40K-SF-F	40.0	12	41	1440	36	1.0	8.5	52.0	60.0
275 VAC									
951CXP825K-SF-F	0.825	30	22	96	116	5.0	2.3	15.3	35.0
951CXW2K-SF-F	2.0	19	22	232	116	3.4	3.6	23.8	35.0
951CXW2P7K-SF-F	2.7	16	22	313	116	3.0	4.3	27.1	35.0
951CXW4P7K-SF-F	4.7	12	22	545	116	2.3	5.8	34.7	35.0
951CXW10K-SF-F	10.0	15	41	520	52	1.4	6.2	34.0	60.0
951CXW21P5K-SF-F	21.5	10	41	1118	52	1.0	9.0	48.7	60.0

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