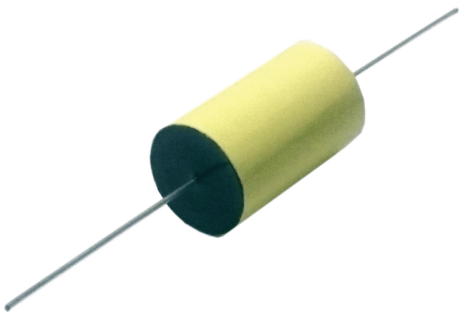
Type 951, Metallized Polypropylene Film Capacitors

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



Type 951, 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 ºC.

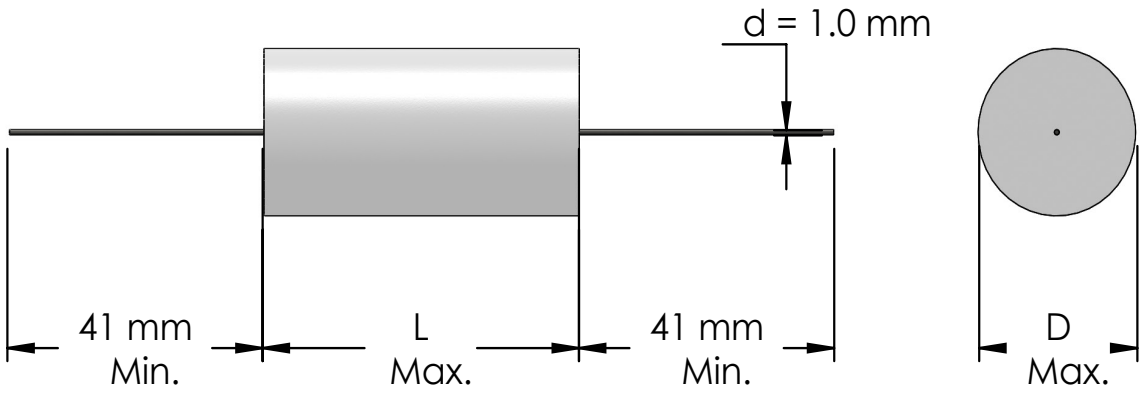
Highlights

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

Specifications

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

Dimensions



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Part Numbering System

951	C	I	P	22	K	–F
Series	Termination Code	Voltage Code	Capacitance Decimal Point	Capacitance Significant Figures (µF)	Tolerance Code	RoHS Compliant Indicator
951	C =Tinned Copper Wire F = Insulated Stranded Wire H = Tinned Lugs	I = 160 Vac Q = 250 Vac X = 275 Vac	S = 0.0 P = 0. W = No decimal point		K = ±10% J = ±5%	

Ratings

Part Number	Cap 1 kHz (µF)	Typ. ESR 10 kHz (mΩ)	Typ, ESL (nH)	I peak (A)	dV/dT (V/µs)	Rth (°C/W)	Irms 10 kHz 85°C (A)	D (mm)	L (mm)
160 VAC									
951CIW2P7K-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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