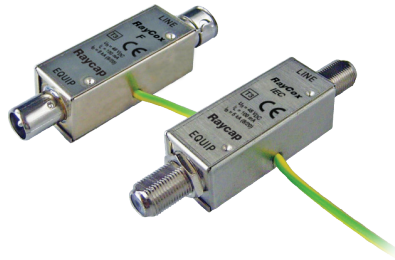


DATA SHEET
Coaxial SPD for TV & Cable TV
RayCox IEC 48, F 48
C1 • C2 • C3


IEC/EN Category: C1/C2/C3
 Surge Discharge Ratings: I_n : 5 kA
 Voltages: 48 VDC
 Max. Operating Voltage: 60 VDC
 Frequency Range: 40–860 MHz
 Series Load Current: 100 mA
 Termination: IEC TV or F Connectors
 Housing: In-line Installation, Shielded Enclosure
 Compliance: IEC/EN 61643-21

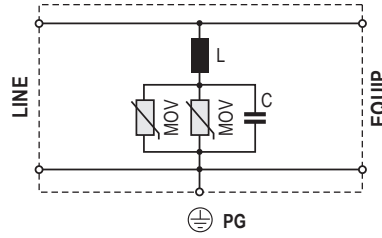
**Technical Data**

	IEC 48	F 48
Electrical		
Nominal Operating Voltage (DC)	U_n	48V
Maximum Continuous Operating Voltage (DC)	U_c	60V
Rated Operating Current at 25°C	I_L	100 mA
C2 Nominal Discharge Current (8/20 μs)	I_n	5 kA
Residual Voltage at 5 kA (8/20 μs)	U_{res}	<500V
Rated Spark Overvoltage (Wire-Shield)		90V–110V
Response Time Overvoltage Protection (Wire-Shield)	t_A	<25 ns
Insulation Resistance of Protection (Wire-Shield)	R_{iso}	≥ 6 MΩ
Serial Resistance per Path	R	<0.1 Ω
Frequency Range	f_G	40–860 MHz
Mechanical		
Temperature Range	-40 °F to +176 °F [-40 °C to +80 °C]	
Connection	TV Connector	F Connector
Degree of Protection IEC/EN 60529	IP 20 (built-in)	
Housing Material	Metal	
Order Information		
Order Code	IEC 48	F 48
XXX 48	125 093	125 094

RayCox IEC 48, F 48

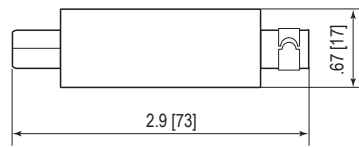
Internal Configuration

- Legend**
 C Capacitor
 L Inductor
 MOV Metal Oxide Varistor
 PG Protective Grounding

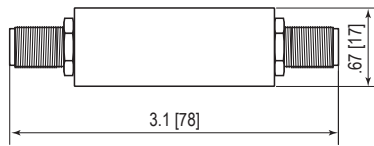


Dimensions & Packaging

IEC 48



F 48



IEC 48 F 48

Dimensions	IEC 48	F 48
Weight per Unit	1.13 oz [32g]	
Packaging Dimensions (Single Unit)	3.5 × 5.9" [90 × 150mm]	

inches
[mm]

Information contained in this document is subject to change at any time without notice.

