

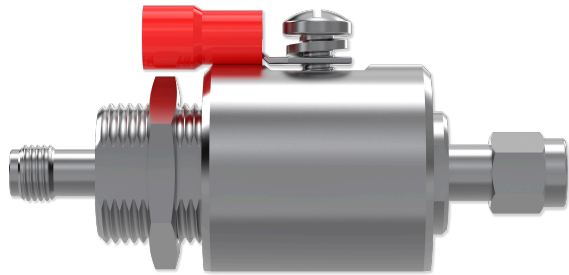
SMA Lightning Arrester Kit

Designed by WAVEFORM in the USA

SKU: WF-LSP-SFM

Features:

- SMA-Male to SMA-Female bulkhead lightning arrester.
- 0-6000 MHz frequency support
- 50 Ω impedance
- 1 m (5 ft) 10 AWG ground wire with ring terminals
- 15 cm (6 in) weatherproofing tape



Lightning Arrester Specifications:

Electrical:

Frequency Range	0 - 6000 MHz
VSWR (DC)	≤ 1.25
Insertion Loss	≤ 0.25 dB
Input Impedance	50 Ω
Insulation Resistance	≥ 5000 M Ω
Transmission Power	200 W
Gas Tube Breakdown Voltage (DC)	90 V
Withstanding Voltage (50 Hz, at sea level)	≥ 2500 V RMS
Working Voltage (50 Hz, at sea level)	≤ 1000 V RMS
Maximum Impulse Discharge Current (8/20 μ s)	20 KA 2000 J
Contact Resistance (Center Contact)	≤ 0.4 m Ω
Contact Resistance (Outer Contact)	≤ 0.2 m Ω

Mechanical:

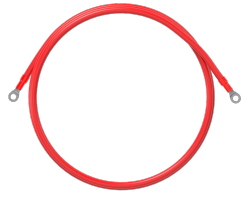
Dimensions	$\varnothing 7.8 \times 6.3$ cm ($\varnothing 3.1 \times 2.5$ in)
Connector A Type	SMA-Male
Connector B Type	SMA-Female
Connector Body	Nickel Plated Brass
Bulkhead Spec	5/8-24UNEF-2A
Body	Nickel Plated Brass
Pin Material	Gold Plated Brass
O-Ring Material	Rubber
Ground Connection	By Feedthrough or Screw Terminal
Net Weight	0.10 kg (3.55 oz)

Environmental & Regulatory:

Protection Class	IP67
Operating Temperature	-55 to +155 deg C
NFPA Rated?	No
ROHS Compliant?	Yes

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Grounding Cable Specifications:

Electrical:		Mechanical:	
Voltage Rating (AC)	600 V	Jacket Color	Red
		Jacket Material	PVC
		Conductor Material	Stranded Copper
		Cable Diameter	6 mm (0.24 in)
		Cable Gauge	10 AWG
		Cable Length	1.5 m (5 ft)
		Connector Type	Ring Terminal
		Connector Hole Diam.	4.3 mm (0.17 in)
		Net Weight	0.10 kg (3.55 oz)

Environmental & Regulatory:

UV Rated?	No
Operating Temp.	-55 to +155 deg C (-67 to 311 deg F)
NFPA Rated?	No

Weatherproofing Tape Specifications:

Color	Clear
Material	Self-fusing Silicone Rubber
Dimensions (l x w x thk)	150 x 25 x 0.5 mm (6.0 x 1.0 x 0.02 in)
Tensile Strength	>2.51 Mpa (364 psi)
Heat Resistance	100 deg C (212 deg F) for 168 hrs
Operating Temp.	-50 to +300 deg C (-58 to +572 deg F)
Withstanding Voltage	35 kV
Net Weight	0.15 kg (5.29 oz)

Dimensions:

