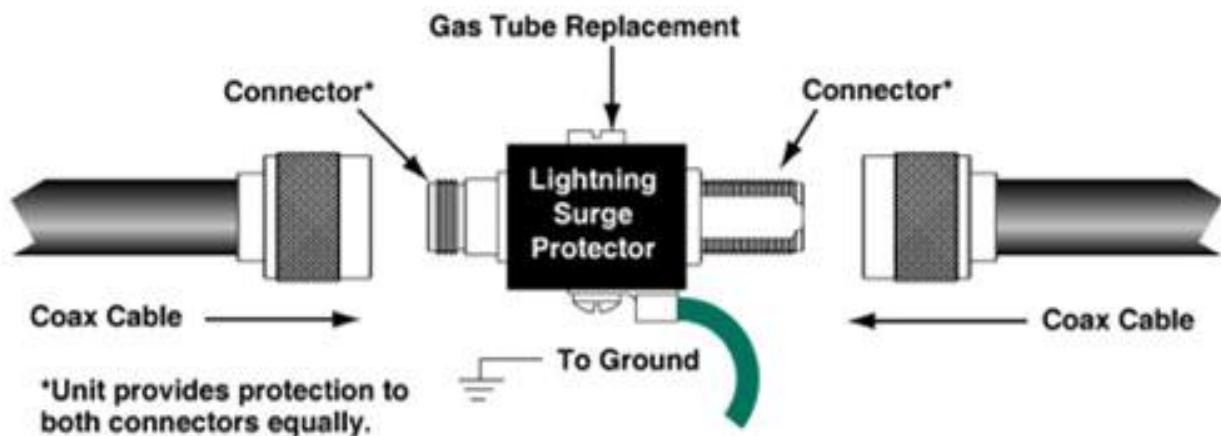




Lightning Surge Arrestor



zLSA



Revision 2

Both connector ports of the unit are equally protected. This provides protection no matter which way the unit is installed.

Either port can face the antenna or either port can face the equipment.

ELECTRICAL SPECIFICATIONS	
Frequency range	0 - 3 GHz
Protector Complies With	IEC / IEEE Standard
VSWR	1:1.3 Max (0 - 3 GHz)
Insertion loss	0.4 dB Max (0 - 3 GHz)
Impedance	50 ohm
Standard Gas Tube Element: DC Breakdown Voltage Indicated	230V 20%
Available Gas Tube Elements: DC Breakdown Voltages Indicated	90V 20% / 350V 20% / 600V 20%
Gas Tube Impulse Breakdown Voltage	1000V 20%
Gas Tube Insulation Resistance	10,000 Mohms
Maximum Withstand Current	5KA

RF Power Rating							
Model Suffix	Voltage Rating	DC ~ 30MHz		30MHz - 500MHz		500MHz - 3GHz	
		PEP ¹	CW ²	PEP ¹	CW ²	PEP ¹	CW ²
-9	90 Volt	110W	55W	65W	32W	20W	10W
-2	230 Volt	280W	140W	110W	55W	40W	20W
-3	350 Volt	650W	325W	260W	130W	100W	50W
-6	600 Volt	2KW	1KW	800W	400W	320W	160W

Notes:
 1 - Peak Envelope Power (PEP): The average power supplied to the antenna transmission line by a transmitter during one radio frequency cycle at the crest of the modulation envelope taken under normal operating conditions.
 2- Continuous Wave (CW): A wave of constant amplitude and constant frequency.

MECHANICAL SPECIFICATIONS	
Connectors Comply With	MIL-C-71A, 39012 Standard
Connectors Types	TNC-Male to TNC-Female Bulkhead
Connector Body Material	Nickel Plated Brass
Body Material	Aluminium
Pin Material	Gold Plated Brass
O-Ring Material	Rubber
Bracket Material	Aluminium
Ground Lug	10 AWG Max.
Max. Panel Thickness (Bulkhead Connector)	0.125" (3.17mm) Thick
Dimensions (L x H x W)	3.1 in x 1.6 in x 0.8 in (78 mm x 40 mm x 20 mm)
Weight	3.17oz (89.8g)

ENVIRONMENTAL SPECIFICATIONS	
Temperature Range	-67°F to +185°F (-55°C to +85°C)
Dust and Waterproof Rating	IEC 529 / IP65
Moisture Resistance	MIL-STD-202 Method 106D
Salt Fog	MIL-STD-202 101D/B
Temperature Shock	MIL-STD-202 107D/A-1
Vibration	MIL-STD-202 Method 204D/B
Shock	MIL-STD-202 Method 213B/A
RoHS Compliant	Yes