

Gas Discharge Tube Lightning Arrestor with N-type connectors



Features:

- → Frequency: DC to 6GHz
- → Ultra Compact Design
- Excellent RF Performance
- Multiple Strike Capability
- + 20 kA (8x20μs) Surge Capability
- + Rugged and Waterproof
- **→** Bi-directional Protection

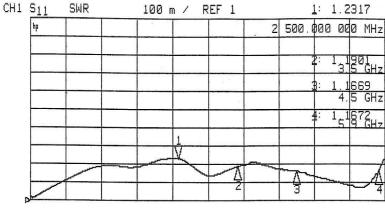
RF Specifications

Frequency	VSWR	Insertion Loss (dB)
dc – 6Ghz	1.30 typ 1.45 max	.25 typ .30 max

→ Nominal Impedance – 50Ω

Through Current: 10A Max

→ RF Power: 30W (45dBm) max



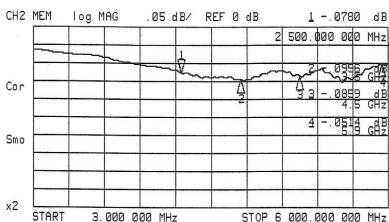
Transient Specifications

→ Gas Discharge Tube 90V rated

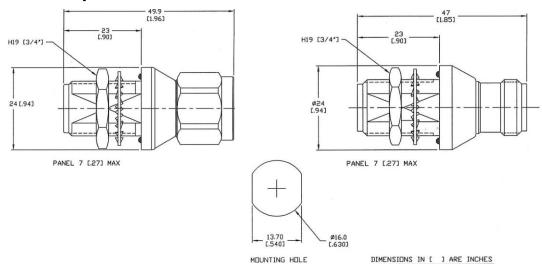
→ Maximum Transient: 20kA (8x20µs) Cor

Multiple Strike: 5kA 10 times

+ Let-through: 644Vpk/ 500 μJ (Input 4kV 1.2x50μs / 2kA 8x20μs)



Mechanical Specifications



Weight: 2 ounces (50g) typical

Environmental Specifications

Temperature Range	-40°C to +90°C	
Salt Fog	MIL-STD-202 Method 101D / Condition B (35°C/96 hrs)	
Immersion	MIL-STD-202 Method 104A / Condition A (65°C to 25°C w/NaCl – 2 cycles)	
Moisture Resistance	MIL-STD-202 Method 106E (65 °C/98% RH condensing/240 hrs)	
Temperature Shock	MIL-STD-202 Method 107D / Condition B-1 (25 cycles -65°C to +125°C)	
Life (Elevated Temperature)	MIL-STD-202 Method 108A / Condition A (96 hours at 100°C)	
Dust and Waterproof Rating	IEC529 IP68 (dust-tight and water proof 24 hrs / 1 m)	
Vibration	MIL-STD-202 Method 204D / Condition D (10Hz-2kHz 0.06"DA/20g)	
Mechanical Shock	MIL-STD-202 Method 213 / Condition A (50g/11ms ~24")	

Material and Finish

Component	Material	Finish
Outer Parts	Brass	Nickel
Center Contact	BeCu	Gold
Insulator	PTFE	
Gasket	Si Rubber	

Part Number: PTC ONx ONF 09 E

Connector types, replace with ONFONF for female to female PTC or with ONMONF for male to female PTC