

HEMP & NEMP Fine Protector - Surge Arrestor Special electrical POE protective device per MIL-STD-188-125-1*

Protection for
IRIG Time Codes
TTL Signals
0 to 100MHz



Features:

- ✦ Sub-Nanosecond Response Time
- ✦ Frequency ranges dc – 100MHz
- ✦ TNC to N Type Connectors
- ✦ 1kA Surge Protection
- ✦ Designed for MIL-STD 188-125-1
- ✦ Excellent RF Performance
- ✦ Bi-Directional Protection

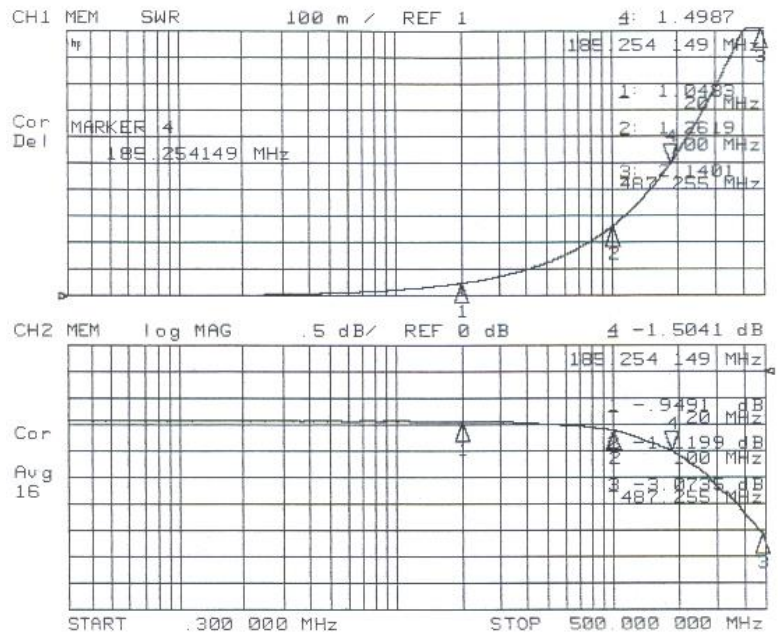
RF Specifications

Frequency (MHz)	VSWR	Insertion Loss (dB)
0 - 100	1.20 typ	1.0 typ

- ✦ Nominal Impedance – 50Ω
- ✦ Through Current: 50mA
- ✦ RF Power: 100mW
- ✦ Voltage: Nominal +5v / Maximum 6.7v

Transient Specifications

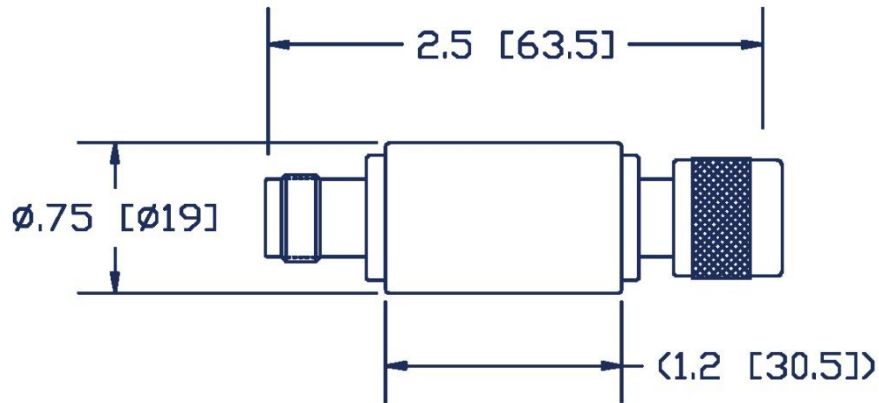
- ✦ Response Time: < 1ns
- ✦ Let-through: +8v/-3v (15A input)
- ✦ Transient
 - 30A 10x (8X20μs waveform)
 - 1kA 10x (20x500ns waveform)



*Device can be used as either a Primary or Secondary special electrical POE protective device per MIL-STD-188-125-1, please consult with NexTek Engineering to ensure full compliance.

Mechanical Specifications

Weight: 4.8 ounces [135 grams]



inches [mm]

Optional - Mounting bracket order P/N 750-0632-00

Material and Finish

Component	Material	Finish
Outer Parts	Brass	Nickel
Center Contact	BeCu	Gold
Insulator	PTFE	-
Gasket	EPDM or SIL	-

Environmental Specifications

Temperature Range	-40°C to +90°C
Salt Fog	MIL-STD-202 Method 101D / Condition B (35°C/48 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")