

LT-ARREST-NFNF-1/4

N Type Male to N Type Female 1/4λ Arrestor

LT-ARREST-NFNF-1/4 is a high-performance RF lightning arrestor featuring N-Female to N-Female connectors with a 1/4 wavelength shorting stub design. It is engineered to protect sensitive RF equipment from lightning strikes and electrical surges, ensuring system reliability and extended equipment life.

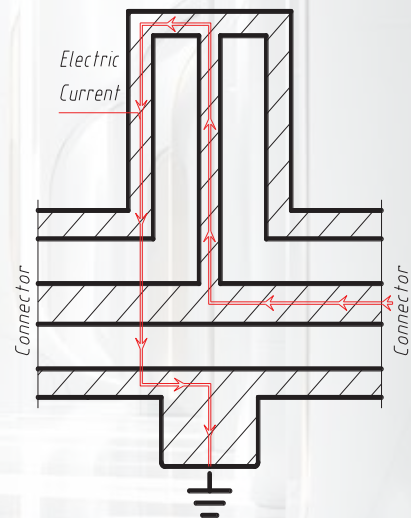
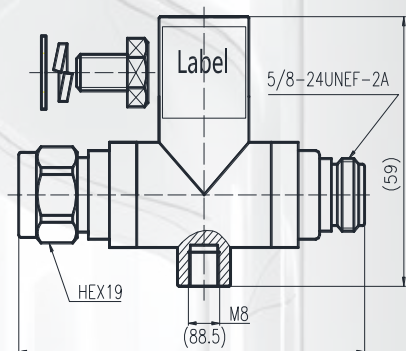
The LT-ARREST-NFNF-1/4 provides a robust surge protection solution for communication systems, base stations, and RF transmission lines.

Key Features

- Connector Type: N-Female to N-Female
- 1/4 wavelength shorting stub design for effective surge protection
- Wide frequency range support (DC to 3 GHz typical)
- Low insertion loss, ensuring minimal signal degradation

Specifications

Material and Plating		
Inner Conductor Plug	Brass/Silver Plating	
Inner Conductor Jack	Tin Bronze/Silver Plating	
Body & Outer Conductor	Brass/Trimetal (Cu-Sn-Zn) Plating	
Insulator	PTFE/TPX	
Gasket	Silicon Rubber	
Nut	Brass/Nickel Plating	
Standard Component	Stainless	
Electrical Specifications		
Characteristic Impedance	50 Ohm	
Frequency Range	700~2700 MHz	
Center Contact	≤1.00 mΩ	
Outer Contact Resistance	≤0.25 mΩ	
Maximum Surge	30 kA(8/20us)	
Residual Pulse Voltage	≤100 V(8/20us)	
Average Power	@900MHz	600 W
Insertion Loss	@700-2700MHz	≤0.20 dB
VSWR	@700-2700MHz	≤1.20
PIM(2*43dBm)	@1800MHz	≤-150 dBc
Environmental & Mechanical Specifications		
Mating Durability	≥500 cycles	
Operating Temperature	-45°C to +85°C	
Degree of Protection	IP68 24hr, 1m, 20	
RoHS	Compliant	
Regulatory Compliance / Certification		
ISO 9001:2015	Compliant	



The image includes a labeled diagram with key dimensions, such as 88.5 mm in length, with a threaded section labeled "5/8-24UNEF-2A" and a hexagonal nut labeled "HEX19" for tightening. A smaller cross-sectional view shows the path of electric current through the connector, labeled for internal conductors and insulators.

