

LT-ARREST-NFNF-1/4

N Type Female 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.

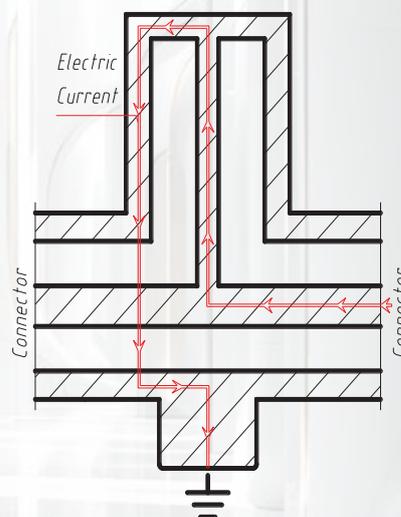
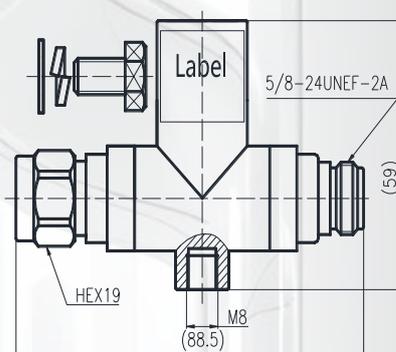
The LT-ARREST-NFNF-1/4 provides a robust surge protection solution for communication systems, base stations, and RF transmission lines.

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.

