

0-3Ghz Coax Protector LPG-NFNF-3



LPG-NFNF-3 is a gas discharge tube coaxial lightning protectors featuring wide-band operation up to 3 GHz.

LPG-NFNF-3 has N-Female to N-Female Bulkhead connectors and a rubber "O"-ring seal which allows mounting through an enclosure wall or with an included aluminum mounting bracket.

LPG-NFNF-3 has an easily replaceable gas tube element for multi-strike capability. Fast response time make it suitable for a wide range of applications. A ground lug and terminal are supplied directly on the lightning protector housing.

Gas Discharge Tube technology allows for DC pass DC, therefore it is suitable for applications where DC is carried through the coax cable, such as remote amplifiers and LNAs.

Superior RF performance, make the LPG-NFNF-3 ideal for IEEE 802.11b and 802.11g Wireless LAN applications, as well as ISM, MMDS, Cellular, and PCS applications.

Both connector ports of the LPG-NFNF-3 are equally protected, providing protection no matter which way it is installed. Either port can face the antenna and either port can face the equipment.

FEATURES

- Bi-Directional Protection
- Easily Replaced Gas Tube Element
- DC Pass
- Multi-Strike Capability
- Reliable Performance from DC ~ 3 GHz
- Bulkhead Mount
- IP 65 Rating
- O-Ring Seal
- Includes Aluminum Flange Mount
- Ground Lug (10 AWG)



Electrical Specifications

Frequency Range	DC – 3 Ghz
VSWR	< 1.15
DC Voltage	90 V
Insertion Loss	< 0.2 dB
Return Loss	< -26 dB
Impedance	50 ohms
Through Put Energy	<5 nJ
Maximum Power	50 watts
Max Surge Voltage Let Through	<200 mV
Max Current Load	10 A
Nominal Discharge Current (kAMP)	5 kAMP
Max Discharge Current (kAMP)	20 kAMP
Impulse Current (kAMP)	2.5 kAMP
Operating Temp(degrees C)	-40 to +85 °C

Mechanical Specifications

Length	56.5 mm
Width	40 mm
Weigth	110 gr
Connector	N Female
O Ring	Silicone Rubber
Ingress Protection	IP65
Mounting Flange	Aluminum
Body	Nickel plated brass
Inner Pin	Gold plated brass