

Technical Data Sheet

Lightning Arrester: LP-NFM-3GHz

DC - 3GHz - N male / female Bulkhead

Title: N Male to Bulkhead Female Surge Arrester with Gas Tube (Gas Tube to be ordered separately)

Material and Finish

Description

Center Contact
Insulator
Outer Contact
Tag
Washer & Bolt
Spring
Gasket

Material

Beryllium Copper
PTFE
Brass
Copper
SS41
SK5
Silicone

Finish

5μ" Gold
Withe
70μ" Nickel
Tin
Zinc
70μ" Nickel
Red / Orange

Electrical

Item

Impedance
Voltage Standing Wave Ratio
Insertion Loss
DC Breakdown Voltage (90V Gas Tube)
Impulse Breakdown Voltage
Impulse Discharge Current

Test condition

0 ~ 3GHz
0 ~ 3GHz
0 ~ 3GHz
100 V/s
1000 V/μs
8/20 μs

Test Spec

50Ω
1:1,3 Max.
0,4 dB Max.
90V ± 20%
600V Max.
15KA Max.

Mechanical

Item

Force To Engage / Disengage
Coupling Nut Retention
Coupling Proof Torque
Contact Retention

Test condition

N/A
60mm/min
N/A
60mm/min

Test Spec

6 in-lbs. Max.
100 lbs. Min. (male)
30 in-lbs. Min. (male)
6 lbs. Min.

Remarks:

1. RoHS Compliant
2. HSF Compliant
3. Between Body and Contact must withstand 40 lbs. Min. Axial Force.

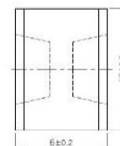
Gas Tubes:

Part no.

LP-090V-3GHz
LP-230V-3GHz
LP-350V-3GHz

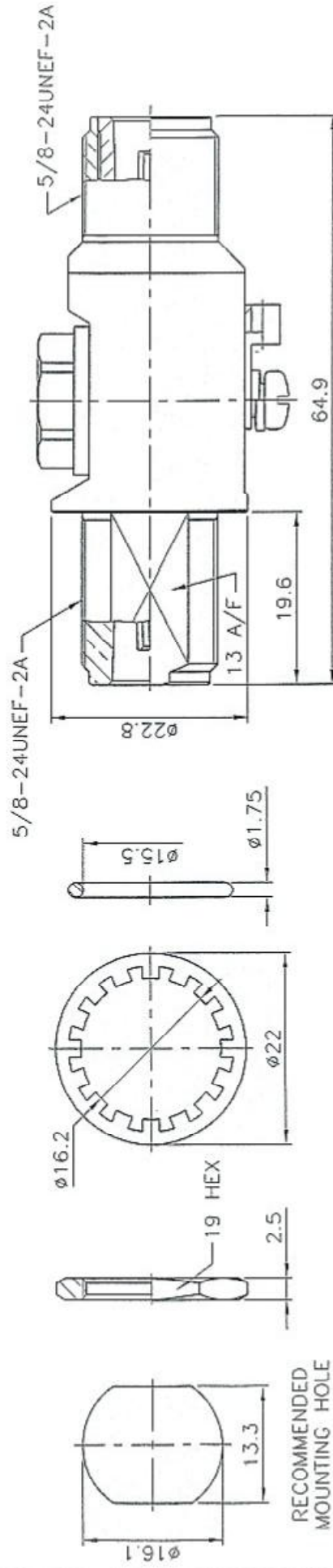
Description

Gas Tube 90V for LP-NFM-3GHz and LP-NFF-3GHz
Gas Tube 230V for LP-NFM-3GHz and LP-NFF-3GHz
Gas Tube 350V for LP-NFM-3GHz and LP-NFF-3GHz



REVISIONS	
ISS SYMBOL	DESCRIPTION\DATE

FOR CUSTOMER



NOTES: FINISH (PLATING THICKNESS IN MICRO-INCHES)

1. BRASS PER QQ-B-626
2. NICKEL PL 70 MIN THICK OVER COPPER STRIKE
3. GOLD PL 5 MIN OVER ELECTROLESS NICKEL PL
4. 50 MIN THICK OVER COPPER PL 50 MIN THICK
5. TEFLON MIL-P-19468
6. BERYLLIUM COPPER PER QQ-C-530
7. BRASS JIS H 3100, C 2680
8. NICKEL PL 70 MIN THICK OVER COPPER STRIKE

1. MAX. PANEL THICKNESS=5.5mm

RoHS COMPLIANT

NO.	DESCRIPTION	MATERIAL	FINISH	QTY	DRAWING NO.	SCALE	1.5/1	ISSUE	A1
	NUT	NOTE 1	NOTE 2						
	WASHER	NOTE 6	NOTE 2						
	GASKET	SILICONE	BLACK						
	GASKET	SILICONE	RED						
	BODY	NOTE 1	NOTE 2						
	SPRING	SK5	NOTE 2						
	NUT	NOTE 1	NOTE 2						
	GAS TUBE	90V/230V/350V ±20%							
	BOLT	SS41	ZINC						
	WASHER	SS41	ZINC						
	TAG	COPPER	TIN						
	CONTACT BODY	NOTE 1	NOTE 2						
	CONTACT PIN	NOTE 5	NOTE 3						
	INSULATOR	NOTE 4	WHITE						
	BODY	NOTE 1	NOTE 7						

PART NO. LP-NFF-3GHZ

DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE SPECIFIED
TOLERANCES

0.5~6 = ±0.2
>6~30 = ±0.4
>30~120 = ±0.6
>120~315 = ±1
>315~1000 = ±1.6
ANGLES 1 = ±5°

APPROVED *Jan* DATE 02/10/12
CHECKED *Ken* DATE 02/10/12
DRAWN *Abby* DATE 02/10/12

TITLE N BULKHEAD JACK TO JACK SURGE ARRESTER
GAS TUBE FOR 90V/230V/350V ±20%
(0~3 GHz)

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