

N to N Quarter Wave Lightning Protector 2.2 to 2.6 GHz (Normal and Reverse Polarity)



Features:

- ✦ Low VSWR
- ✦ Low Insertion Loss
- ✦ Extremely High Transient Capability
- ✦ Available in Normal and Reverse Polarity
- ✦ Bi-directional Protection
- ✦ Rugged and Weatherproof
- ✦ Ideal for Wifi / ISM

RF Specifications

- ✦ Nominal Impedance 50Ω

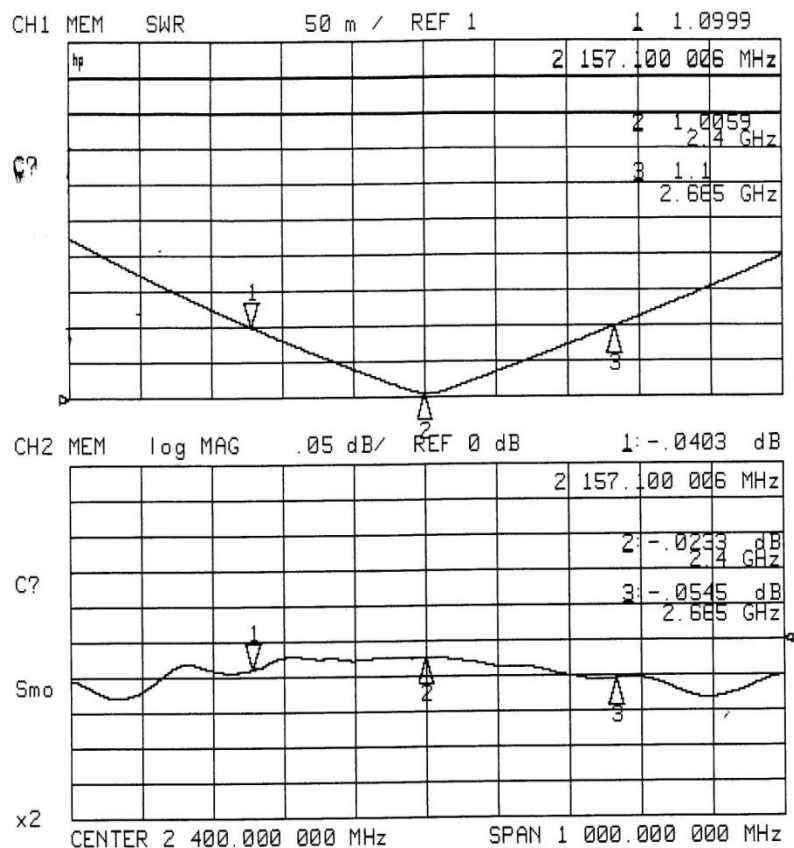
Frequency (GHz)	VSWR min / max	Loss (dB) min / max
2.2 – 2.6	1.05 / 1.15	0.05 / 0.10

- ✦ Return Loss (dB typ/max): 32.3/23.1
- ✦ RF Power: 0.5 kW_{avg} / 4.0 kW_{pk}

Transient Specifications

(1.2X50μs Voltage / 8X20μs Current waveform)

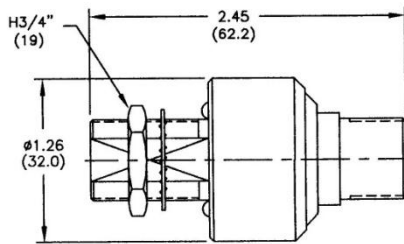
- ✦ Maximum Transient: 60 kA_{pk}
- ✦ Let Through (V_{peak}/μJ): 7V/7μJ
Input: 6kV/3kA Output: into 50Ω



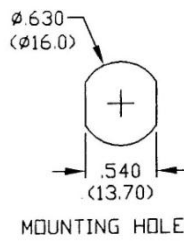
Typical VSWR and Insertion Loss

Mechanical Specifications

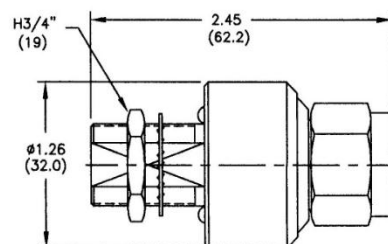
- ✦ Mounting/Grounding: ϕ .625 (15.9) bulkhead mount with environmental gasket. Grounding can also be via a bracket or wire lug to the bulkhead connector
- ✦ Weight: 0.3 pounds typ / 140 g typ



PANEL .27 (7) MAX
QSS NFN AY 00
QSS NSNS AY 00



inches (mm)



PANEL .27 (7) MAX
QSS NFN AY 00
QSS NJNP AY 00

Environmental Specifications

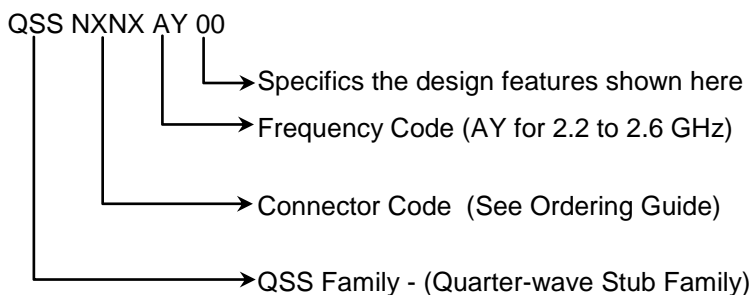
Temperature Range	-40°C to +90°C
Salt Fog	MIL-STD-202 Method 101D / Condition B (35°C/96 hrs)
Immersion	MIL-STD-202 Method 104A / Condition A (65°C to 25°C w/NaCl – 2 cycles)
Moisture Resistance	MIL-STD-202 Method 106E (65 °C/98% RH condensing/240 hrs)
Temperature Shock	MIL-STD-202 Method 107D / Condition 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")

Material and Finish

Component	Material	Finish
Outer Parts	Brass	Guardplate™
Center Contact	BeCu	Gold
Insulator	PTFE	-
Gasket	Si Rubber	-

Guardplate™ is an alloy finish with the PIM and conductivity of Silver and the durability and anti-tarnish properties of Nickel.

Part Number



Connector Ordering Guide

Connector	Ordering
N Female – N	NFNM
N Female – N	NFNF
N RP Jack – N	NJNJ
N RP Jack – N	NJNP