Amphenol[®] RF Global RF Solutions

FEATURES & BENEFITS

- Broadband 1/4 Wave Stub
 - 800 2200 MHz bandwidth
 - Multi-strike protection
 - Maintenance free
- **Gas Discharge**
 - DC 2500 MHz
 - DC pass-through for GPS or tower-mount applications
 - Serviceable chamber

Hybrid

- DC 2500 MHz
- Multi-strike protection
- DC pass-through

APPLICATIONS

Wireless Base Stations GPS Antenna Systems Shared Antennas



Lightning/Surge Protection

Lightning Protection

Broadband 1/4-Wave Stub Surge Protector/Lightning Arrestor

Amphenol RF solves the problem of needing individual bandwidth stub protectors for each progressive wavelength. Our Broadband 1/4-Wave Stub is for use from 800 to 2200 MHz in the *transmit* and *receive* paths. These protectors offer multi-strike protection within the given bandwidth. This product is currently supplied with 7/16 DIN male and female connectors, but other connector interfaces are available.

Gas Discharge Surge Protector/Lightning Arrestor

Amphenol RF offers the ideal solution for applications where DC current must be allowed to pass through, such as with GPS applications and tower-mount amplifiers. Our Gas Discharge Protectors are rated from DC to 2200 MHz and have limited-strike capacity. This product is currently supplied with 7/16 DIN male and female connectors, but other connector interfaces are available.

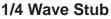
Hybrid Lightning Arrestor

This Arrestor from Amphenol RF combines the DC pass-through abilities of the Gas Discharge Protector with the multi-strike capability of the 1/4-Wave Stub. Our hybrid is the correct choice for shared tower/antenna applications.

All of these Protectors can be supplied with grounding hardware.

WiMax Surge Protector/Lightning Arrestor also available

Specifications			
Reference standard IEC60169-4			
Electrical Impedance Frequency Range Insertion Loss (dB) Return Loss (dB) Avg. Continuous Power (Watts) Surge Rating (8x20 microsecond wave PIM (dBc) 3rd order (two 43 dbm signal	$\begin{array}{r llllllllllllllllllllllllllllllllllll$	50 Ω Z DC - 2500 M < 0.1 MHz) ≥ 26.44 (100 0 MHz) ≥ 23 (1000 - nd) 150 20kA order)	≤ 0.15 00 MHz) ≥ 23.13
Mechanical			
Retention Nut Torque Mechanical Wear (hypo-) Vibration	≥ 5.88 N 20 Nm 500 IEC68-2-6Fc	≥ 5.88 N 10 Nm 500 IEC68-2-6Fc	≥ 5.88 N 20 Nm 500 IEC68-2-6Fc
Materials/Plating			
Outer Conductor Inner Conductor Nut Insulator Gasket	ا brass/nickel > 5 µ m (1/4 Stub ar silicon rubber (1/4 Wave Stub)	PTFE	m in-zinc > 2 μm (Hybrid)
Environmental	· · ·		
Temperature Range Weather Standard Weatherproofing Standard	-55°C - +155°C IEC 68 55/155/2 IP67	-55°C - +155°C 1 IEC 68 55/155/56 IP67	-40°C ~+85°C IEC 68 40/085/21 IP65
Round States	1/4 Wave Stub	NHK 100 HRAIS 100 HR	Hybrid



Gas Tube

Hybrid



