

Cisco Aironet 1400 Series Lightning Arrestor with performance to over 1.0 GHz



Features:

- → Frequency to 1.0 GHz
- DC pass
- Multiple Strike Capability
- → Over 10kA Surge Protection
- → Rugged and Waterproof
- Bi-directional Protection
- → Compatible with RG-6 cable

RF Specifications

Nominal Impedance – 75Ω

Model	Frequency (GHz)	VSWR	Insertion Loss (dB)
PTC-C030	dc - 1.0	1.20 typ	0.15 typ

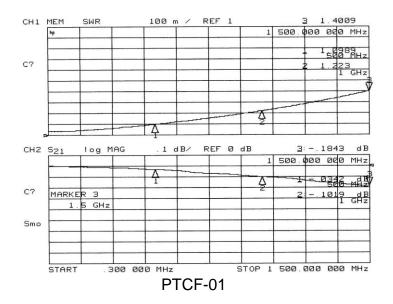
→ Through Current: 3A Max at 48Vdc max

♦ RF Power: 25W maximum

Transient Specifications¹

(1.2X50μs Voltage / 8X20μs Current waveform)

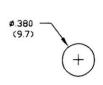
- Gas Discharge Tube 90V
- Maximum Transient 10kA; Multiple Strike 5kA 10x
- + Let through 600Vpk/300μJ *Input: 6kV/3kA*



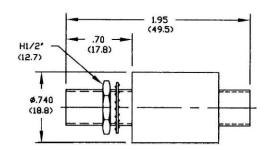


Mechanical Specifications

Weight - 0.08 lbs (38g)



Panel .25 (6.3) Max



Environmental Specifications

Temperature Range	-40°C to +70°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	IP67 (dust-tight and water proof 1 hr / 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	Tin or Nickel
Center Contact	Bronze	Silver
Insulator	Polymer	-
Gasket	EPDM	•

Compatible with ANSI/SCTE 01 1996R2001

Ordering Model Number

Model Number	Connectors	Frequency Range	Protection
PTC-C030	F female (bulkhead) to F female (75 Ohm)	dc to 1.0 GHz	90V