

### Gas Discharge Tube Type Arrestor with TNC to SMA connectors



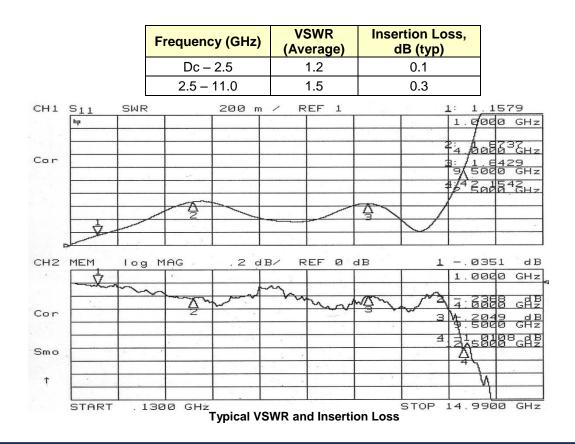
- + Frequency to 11 GHz
- + Superior RF Performance
- + Extremely Compact
- + Multiple Strike Capability
- + 20 kA Surge Protection
- Rugged and Waterproof
- + Bi-directional Protection

### **RF Specifications**

- Nominal Impedance: 50Ω
- RF Power: 100 W Maximum
- Through Current: 65 Vdc / 5A Maximum

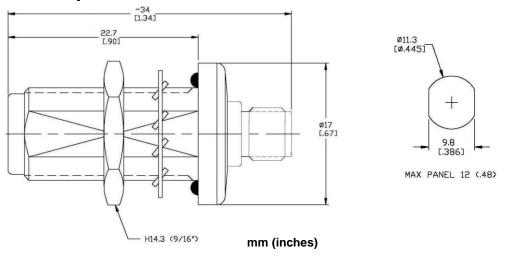
### **Transient Specifications**

- Protection Voltage: 200V
- Maximum Transient: 20 kA (8x20μs)
- + Multiple Strike: 5kA 10 times
- Let-through: 475 V<sub>peak</sub>/300μJ (Input 4kV 1.2x50μs / 2kA 8x20μs)





## **Mechanical Specifications**



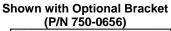
+ Weight: 0.7 ounces typ / 20g typ

# **Environmental Specifications**

Temperature Range	-40°C to +90°C		
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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	Nickel
Inner and Outer Contact	BeCu	Gold
SMA Connector	Brass	Gold
Insulator	PTFE	-
Gasket	EPDM	-





#### **Part Number**

Part Number	Mounting Nut Side Connector	Flange Side Connector
PTCTNFSAF20G	TNC Female	SMA Female