



# AirGuard FGT

## Radio Telemetry Protection

**Application:** The FGT Series of surge protection devices prevents surges and transient overvoltages conducted through coax cables used for wireless Local Multipoint Distribution System (LMDS), Wireless Local Loop (WLL), and Multichannel Multipoint Distribution Service (MMDS). These versatile products can be used in any “F” connector application from DC - 2.5GHz frequencies to 75 ohm impedance.

Typical applications for the FGT Series include the protection of radio telemetry systems, mobile communications base stations and where high induced voltages may be present.



AT51034H, N F/M (.82-2.2GHz)

### Features

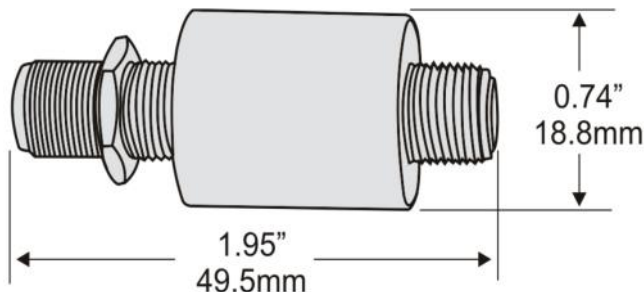
- Rugged Construction
- Economic Protection
- Versatile up to DC - 2.5GHz
- Allows DC/LF injection
- Weatherproof
- Multiple strike capability

### Specifications

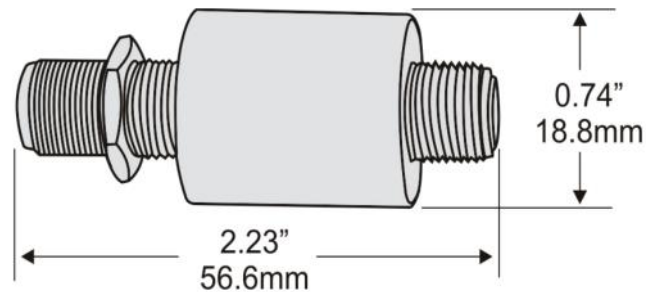
- Max. Discharge Current:** 20kA (8/20 $\mu$ s)
- Max. Power Rating (VSWR):** 1.5:1 @ 1.5GHz
- Frequency Range:** DC - 2.5GHz
- Peak Pulse Current (8/20 $\mu$ s):** 15kA - 20kA
- Impedance:** 75 Ohms

Bracket Part Number	Connectors	Diameter
AT51076	F	0.385"

Part Number	Mounting Connector	Frequency Range	VSWR	Return Loss	Insertion Loss	Peak Pulse Current (8/20 $\mu$ s)	Impedance
AT51069	F(f) Bulkhead to F(f) for LMDS/RG 6 cable	DC - 2.5GHz	1.5:1 @ 1.5GHz	-	0.4dB	20kA	75 Ohms
AT51070	F(f) Bulkhead to F(f) for LMDS/RG 59 cable	DC - 2.5GHz	1.5:1 @ 1.5GHz	-	0.4dB	20kA	75 Ohms
AT51072	F(f) Bulkhead to F(f)	DC - 2.5GHz	-	-18dB	0.03dB	20kA	75 Ohms
AT51073	F(f) Bulkhead to F(f)	DC - 1.0GHz	-	-20dB	0.1dB	15kA	75 Ohms



Dimensions for AT51073



Dimensions for AT51069, AT51070, AT51072