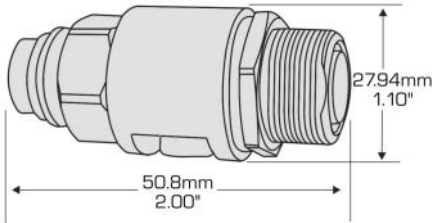




AirGuard RGT

Radio Telemetry Protection



Dimensions vary depending on type of connector

Application: The AirGuard RGT Series of surge protection devices prevents surges and transient overvoltages conducted through coax cables. These surge protectors employ gas tube capsules that are easily replaceable ensuring a lifetime of protection. When replacing the gas tube, simply unscrew the capsule holder while installed. It is recommended that the capsules be replaced during routine maintenance, assuring uninterrupted protection.

Features

- Replaceable Gas Discharge Tube
- Bi-directional protection
- Low intermodulation
- DC to 4.0GHz
- Weatherproof
- Multiple strike capability

Specifications

Max. Discharge Current: 20kA (8/20μs)

Max. Power Rating: 1.25:1

Frequency Range: DC to 4.0GHz

Peak Pulse Current (8/20μs): 40kA (depending on connector type)

Part Number*	Mounting Connector	Frequency Range	VSWR	Insertion Loss	Peak Pulse Current (8/20μs)	Impedance
AT51062-x	7/16 Bulkhead (f) to 7/16 (m)	DC - 4.0GHz	1.25:1	0.1dB	40kA	50
AT51063-x	7/16 Bulkhead (f) to 7/16 (f)	DC - 2.5GHz	1.25:1	0.1dB	40kA	50
AT51064-x	N Bulkhead (f) to N (f)	DC - 2.5GHz	1.25:1	0.1dB	40kA	50
AT51065-x**	BNC Bulkhead (f) to BNC (f)	DC - 2.5GHz	1.25:1	0.1dB	40kA	50
AT51066-x	TNC Bulkhead (f) to TNC (f)	DC - 2.5GHz	1.25:1	0.2dB	40kA	50
AT51067-x	TNC (m) to TNC (f)	DC - 2.5GHz	1.25:1	0.2dB	40kA	50

* Add alpha suffix to part number to specify required gas-tube voltage, e.g. AT51062-A for a 90V TNC (m) to TNC (f). See table below.

** NSN for AT51065-C: 5935015608163

Parameter	Gas-Tube Voltage							
	A	B	C	D	E	F	G	H
Voltage Code								
Gas-Tube Voltage Rating	90V	145V	230V	350V	470V	600V	800V	1000V
Max RF Watts	37V	96V	241V	558V	1006V	1640V	2915V	4555V
kA Transient Current for 8/20μs pulse	40V	40V	40V	40V	40V	40V	30V	20V
V Dynamic @ 5k V/μs	600V	600V	650V	800V	1200V	1500V	1900V	2200V
Let-Through Energy in mJ	0.3V	0.3V	0.35V	0.7V	2.2V	4.4V	9.0V	14V



AT51065C, 230V BNC Female to BNC Female