

AirGuard RGT

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.

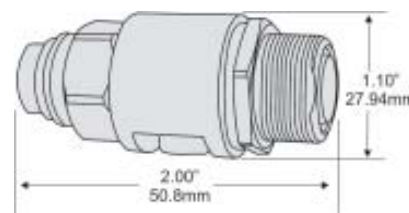
Features

- ▲ Replaceable GDT cartridges
- ▲ Bi-direction protection
- ▲ Low intermodulation
- ▲ DC to 4.0GHz
- ▲ Weatherproof
- ▲ Multiple strike capability



Specifications

- Max. discharge current:** 20kA (8/20 μ s)
- Max. power rating (VSWR):** 1.25:1
- Frequency range:** DC to 4.0GHz
- Peak pulse current (8/20 μ s):** 40kA
(depending on connector type)



Dimensions vary depending on type of connector

Model	Mounting Connector	Frequency Range (GHz)	VSWR	Insertion Loss (dB)	Peak Pulse Current (8 μ s x 20 μ s)	Impedance (Ω)
AT51062*	7/16 Bulkhead (f) to 7/16 (m)	DC - 4.0	1.25:1	.1	40kA	50
AT51063*	7/16 Bulkhead (f) to 7/16 (f)	DC - 2.5	1.25:1	.1	40kA	50
AT51064*	N Bulkhead (f) to N (f)	DC - 2.5	1.25:1	.1	40kA	50
AT51065*	BNC Bulkhead (f) to BNC (f)	DC - 2.5	1.25:1	.1	40kA	50
AT51066*	TNC Bulkhead (f) to TNC (f)	DC - 2.5	1.25:1	.2	40kA	50
AT51067*	TNC (m) to TNC (f)	DC - 2.5	1.25:1	.2	40kA	50

*Add alpha suffix to identify gas-tube voltage: A = 90V, B = 145V, C = 230V, D = 350V, E = 470V, F = 600V, G = 800V, H = 1,000V

Gas-Tube Voltage (Voltage should be defined by maximum RF power)

Parameter	Gas-Tube Voltage							
	A	B	C	D	E	F	G	H
Voltage Code	A	B	C	D	E	F	G	H
Gas-Tube Voltage Rating	90	145	230	350	470	600	800	1000
Maximum RF Watts See notes 1, 2, & 3	37	96	241	558	1006	1640	2915	4555
kA Transient Current for 8x 20 μ s pulse	40	40	40	40	40	40	30	20
V dynamic at 5k V/ μ s	600	600	650	800	1200	1500	1900	2200
Let-through Energy in mJ See notes 1 & 4	0.3	0.3	0.35	0.7	2.2	4.4	9.0	14