

## COAXIAL RF SURGE PROTECTION

# GT Series

The GT (Gas Tube) Series of RF DC pass broadband surge arrestors are value-priced and applicable to many general applications. Products offer excellent VSWR and superior RF performance for equipment operating between DC and 7GHz. They are available in a variety of connector options, for 50Ω and 75Ω RF networks. Replaceable gas-tube options are also available.



### FEATURES

- Frequency ranges from DC to 7 GHz
- 7/16" DIN, N-Type, F-Type, TNC, RPSMA and SMA
- Repeatable RF performance after surge
- 75 Ohm version available
- Weatherproof when installed

### STANDARDS

- Weatherproof : IEC 60529 IP 67
- Bellcore TA-NWT-000487
- Procedure 4.11, Wind Driven (120 MPH)
- CE & RoHS Compliant

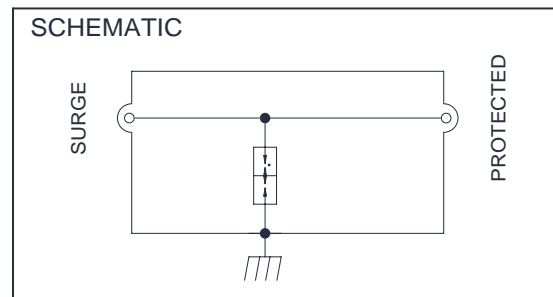
### GENERAL SPECIFICATIONS\*

Insertion Loss	Typically 0.1 dB
VSWR	Typically 1.1:1
Return Loss	Typically <26 dB
Typical Surge	20 kA 8/20μs Waveform

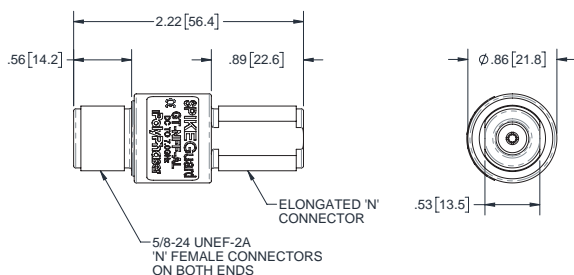
\*Confirm with product specific datasheet for detailed specifications

### POLYPHASER'S LIGHTNING ARRESTOR TECHNOLOGY

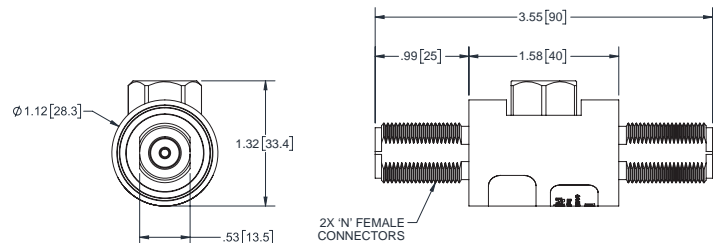
The GT product family is based upon PolyPhaser's market establishing gas tube surge protection technology. This field-tested product family is used all over the world and covers many general applications, such as land mobile radio, WiFi and GPS.



### DIMENSIONS



P/N: GT-NFF-AL



P/N: RGT

1464-051 RevB

## AVAILABLE PART NUMBERS

### Standard Gas Tub Arrestors – 50Ω

Part Number	Frequency Range	Connector	Max Operating Current	RF Power (RMS)
DT-NFF	DC - 3 GHz	N-Type	10A	40W
DT-NFM	DC - 3 GHz	N-Type	10A	40W
GTH-NF-CC	DC - 6 GHz	N-Type to Cable Crimp	10A	150W
GTH-NM-CC	DC - 6 GHz	N-Type to Cable Crimp	10A	150W
GTH-NFF-AL	DC - 6 GHz	N-Type	10A	1kW
GTH-NFM-AL	DC - 6 GHz	N-Type	10A	1kW
GT-NFF-AL	DC - 6 GHz	N-Type	10A	90W
GT-NFM-AL	DC - 6 GHz	N-Type	10A	90W
GT-NFSF-AL	DC - 7 GHz	N-Type to SMA	10A	90W
GT-TFF-AL	DC - 7 GHz	TNC	10A	90W
GT-TFM-AL	DC - 7 GHz	TNC	10A	90W
GTH-SFF-AL	DC - 6 GHz	SMA	10A	150W
GTH-SFM-AL	DC - 6 GHz	SMA	10A	150W
GTH-RPSFM-AL	DC - 6 GHz	Reverse Polarity SMA	10A	150W

### Standard Gas Tub Arrestors – 75Ω

Part Number	Frequency Range	Connector	Max Operating Current	Avg. CW RF Power @ 100MHz
GT75-FFF (75Ω)	DC - 2.5 GHz	F-Type	6A	50W

### Replaceable Gas Tub Arrestors – 50Ω

Part Number	Frequency Range	Connector	Max Operating Current	Avg. CW RF Power @ 100MHz
RGT	DC - 2.4 GHz	N-Type	10A	50W
RGT-ME	DC - 2.4 GHz	N-Type	10A	50W
RGT-DFF	DC - 2.7 GHz	7/16" DIN	10A	Max 400W
RGT-DFM	DC - 2.7 GHz	7/16" DIN	10A	Max 400W
RGT-KIT-GASTUBE	Replaceable Gas Tube Kit			