

Type N F/F Bulkhead Coaxial RF Surge Protector, DC - 2.4GHz,  
50W, IP67, 60 V Max., 3mJ, 18kA, Gas Discharge Tube



## RGT

### Features

- Surge current of 18kA
- Max Power 50W(RMS)
- Frequency range from DC to 2.4GHz
- N-type female connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1.28:1
- CE & RoHS compliant
- Bi-Directional

### Applications

- WiFi
- GPS
- Land mobile radio

### Description

RF surge protector (also known as lightning arrester or surge arrester) RGT from PolyPhaser, utilizing a gas tube (GT or GDT). This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. All PolyPhaser RF surge protector products are available in stock with same day shipping.

### Electrical Specifications

Surge Protector Type  
DC Handling

Gas Discharge Tube  
DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2.4	GHz
Impedance		50		Ohms
VSWR			1.28:1	
Insertion Loss			0.25	dB
Operating Voltage (DC)			60	Volts
Input Power, CW			50	Watts
50W @ 10MHz				
10W @ 2GHz				
Surge Current			18	kA
IEC 61000-4-5, 8/20µS WAVEFORM				
Throughput Energy			3	mJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Type N F/F Bulkhead Coaxial RF Surge Protector, DC - 2.4GHz, 50W, IP67, 60 V Max., 3mJ, 18kA, Gas Discharge Tube RGT](#)

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### Mechanical Specifications

#### Size

Length	3.55 in [90.17 mm]
Width/Diameter	1.12 in [28.45 mm]
Height	1.32 in [33.53 mm]
Weight	0.35 lbs [158.76 g]

#### Configuration

Input Connector	N Female
Output Connector	N Female

### Environmental Specifications

#### Temperature

Operating Range	-50 to +85 deg C
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Ingress Protection (IP) Rating

IP67

Humidity

90% @ 40°C

Vibration

1G @ 5Hz to 100Hz

### Compliance Certifications

RoHS

CE

### Plotted and Other Data

Notes:

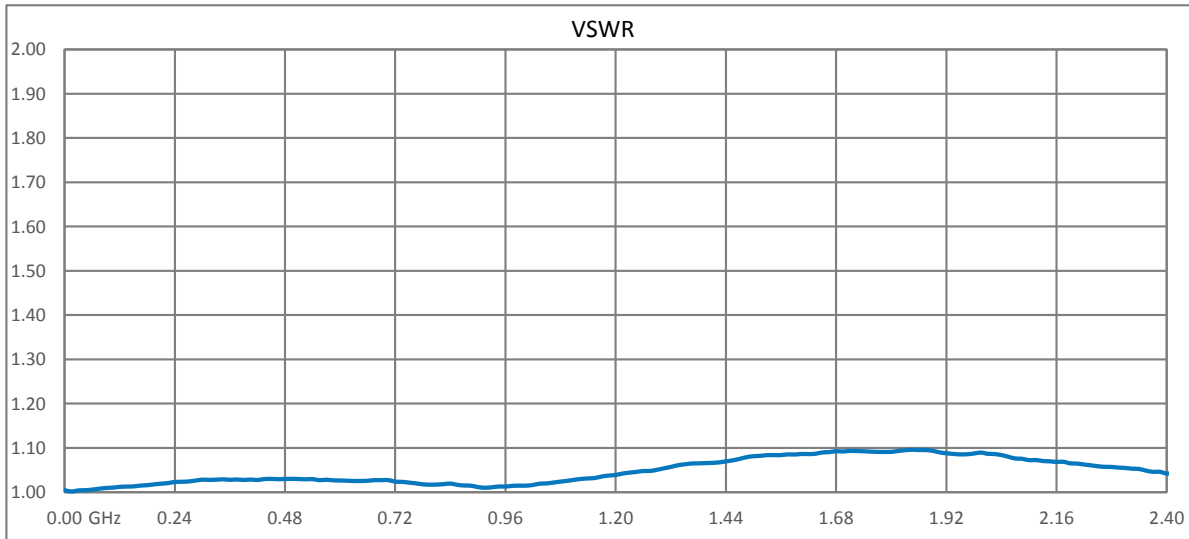
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### Typical Performance Data

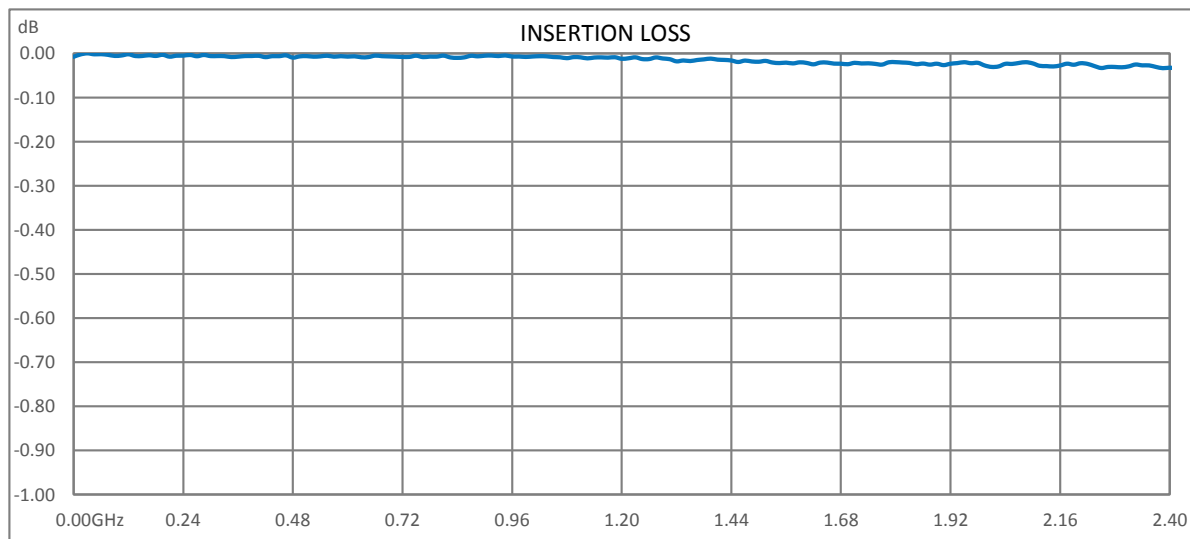


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, DC Pass and Ultra Low PIM. Backed by responsive service and expert technical support PolyPhaser continually expands its product offering and services to serve engineers' urgent needs for RF components in mission critical communication networks.

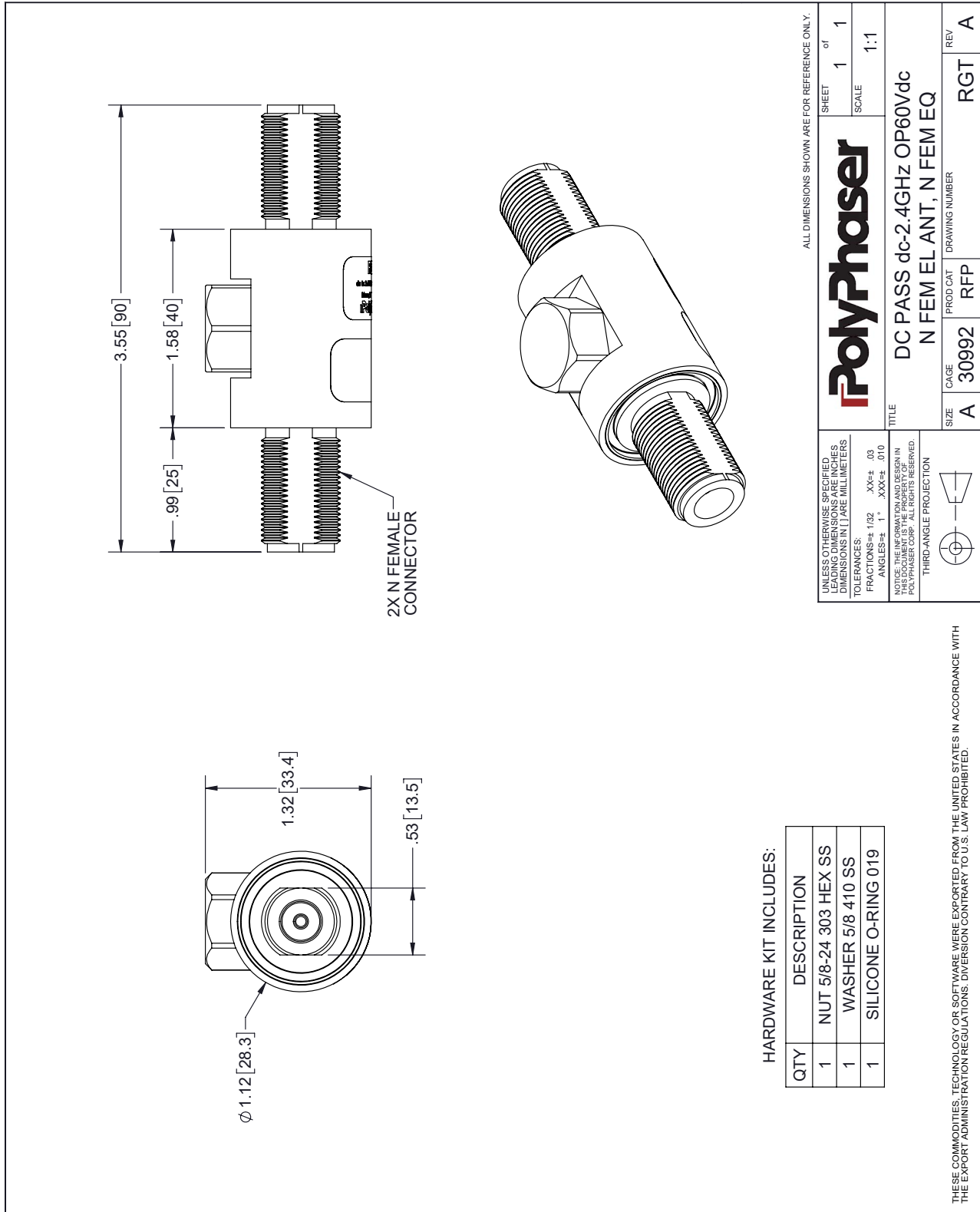
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URL: <https://www.polyphaser.com/type-n-surge-protector-2.4ghz-gas-discharge-tube-rgt-p.aspx>

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RGT CAD Drawing



HARDWARE KIT INCLUDES:

QTY	DESCRIPTION
1	NUT 5/8-24 303 HEX SS
1	WASHER 5/8 410 SS
1	SILICONE O-RING 019

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