

RF Surge Protector SPD, Reverse Polarity SMA F/M, DC
- 6GHz, 150W, 60 V Max., 10kA, Gas Discharge Tube



GTH-RPSFM-AL

Features

- Broadband Performance from DC to 6 GHz
- Repetitive Lightning Strike Capability
- Bi-directional Protection
- Replaceable Gas Tube for Installation Longevity
- Robust Brass Construction

Applications

- Cellular
- Land Mobile Radio, VHF/UHF
- Wireless LAN
- Wireless Cable (MMDS)
- GPS

Description

RF surge protector (also known as lightning arrestor) GTH-RPSFM-AL from PolyPhaser utilizing a gas discharge tube design to protect critical hardware while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. PolyPhaser RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type	Gas Discharge Tube			
	Description	Minimum	Typical	Maximum
Frequency Range	DC			6
Impedance			50	
VSWR				1.5:1
Insertion Loss				0.6
Operating Voltage (DC)				60
Input Power, CW				150
Surge Current				10
Turn On Voltage			90	
				Volts

Mechanical Specifications

Size

Length	2.1 in [53.34 mm]
Width/Diameter	0.9 in [22.86 mm]
Height	1.2 in [30.48 mm]
Weight	0.25 lbs [113.4 g]
Housing Material and Plating	Brass, Tri-Metal

Configuration

Input Connector	SMA Female Reverse Polarity
Output Connector	SMA Male Reverse Polarity

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RF Surge Protector SPD, Reverse Polarity SMA F/M, DC - 6GHz, 150W, 60 V Max., 10kA, Gas Discharge Tube GTH-RPSFM-AL](#)

URL: <https://www.polyphaser.com/sma-surge-protector-6ghz-gas-discharge-tube-gth-rpsfm-al-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. PolyPhaser reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. PolyPhaser does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and PolyPhaser does not assume liability arising out of the use of any part or document.

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