

Type N F to Type SMA F, 1.2 - 2.5GHz, 100W, 6Vdc,
175uJ, 10kA, Filter, SMA/SMB Cable Assy



TGXZ+06NFSF-MC

Features

- Surge current of 10kA
- Max Power 100W
- Frequency range from 1.2 to 2.5GHz
- N-type Female to SMA-type Female connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1.1:1
- Low insertion loss
- Bidirectional
- SMA/SMB Cable Assy Included

Applications

- WiFi
- GPS systems
- Active antenna systems
- Cellular communications systems

Description

RF surge protector (also known as lightning arrester) TGXZ+06NFSF-MC from PolyPhaser, utilizing a patented hybrid protection technology integrating a silicon avalanche suppression diode (SASD) and a MOV and gas tube, enables a quick response to a lightning surge 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. All PolyPhaser RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type
DC Handling

Hybrid
DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.2		2.5	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.1	dB
Operating Voltage (DC)			6	Volts
Input Power, CW			100	Watts
Surge Current IEC 61000-4-5 8/20µs Waveform			10	kA
Turn On Voltage		6.5		Volts
Throughput Energy FOR 3kA @ 8/20µs WAVEFORM			175	uJ

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 to Type SMA F, 1.2 - 2.5GHz, 100W, 6Vdc, 175uJ, 10kA, Filter, SMA/SMB Cable Assy TGXZ+06NFSF-MC](#)

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TGXZ+06NFSF-MC

Mechanical Specifications

Size

Length	2.84 in [72.14 mm]
Width/Diameter	1.25 in [31.75 mm]
Height	1.29 in [32.77 mm]
Weight	0.463 lbs [210.01 g]

Configuration

Input Connector	N Female
Output Connector	SMA Female

Environmental Specifications

Temperature

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

IP67

Humidity

95%

Compliance Certifications

CE Compliant	Yes
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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.

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