

Type N F/F Bulkhead Coaxial RF Surge Protector, 2.0GHz
- 6.0GHz, DC Block 10W, 10kA, Blocking Capacitor



111-1010

Features

- Surge current of 10kA
- Max Power 10W
- Frequency range from 2.0 GHz to 6.0 GHz
- Waterproof IP67 rated
- N Female to N Female connectors
- DC Block
- VSWR <1.1:1 Typical
- Low insertion loss
- CE & RoHS compliant
- Bidirectional

Applications

- Cellular communication systems
- Public safety systems
- response systems
- Industrial Communications

Description

RF surge protector (also known as lightning arrester) 111-1010 from PolyPhaser utilizing a patented spiral inductor design enables an almost instantaneous 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

Blocking cap
DC Block

Description	Minimum	Typical	Maximum	Units
Frequency Range	2		6	GHz
Impedance		50		Ohms
VSWR		1.2:1	1.3:1	
Insertion Loss		0.1	0.2	dB
Input Power, CW			10	Watts
Surge Current			10	kA
Throughput Energy			500	nJ

Mechanical Specifications

Size

Length	2.72 in [69.09 mm]
Width/Diameter	0.73 in [18.54 mm]
Height	0.73 in [18.54 mm]

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, 2.0GHz - 6.0GHz, DC Block 10W, 10kA, Blocking Capacitor 111-1010](#)

Type N F/F Bulkhead Coaxial RF Surge Protector, 2.0GHz
- 6.0GHz, DC Block 10W, 10kA, Blocking Capacitor



111-1010

Weight	1 lbs [453.59 g]
Housing Material and Plating	Brass, Tri-Metal

Configuration	
Input Connector	N Female
Output Connector	N Female

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Ingress Protection (IP) Rating	IP67
Humidity	90%

Compliance Certifications

RoHS Compliant	
CE Compliant	Yes

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: [Type N F/F Bulkhead Coaxial RF Surge Protector, 2.0GHz - 6.0GHz, DC Block 10W, 10kA, Blocking Capacitor 111-1010](#)

URL:

The information contained in 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 any liability arising out of the use of any part or documentation.

T-Box D