

Type 7/16 DIN F/M Coaxial RF Surge Protector, 800MHz - 2500MHz, TNC DC Injection Port, 24V, 750W, IP67, 40kA Hybrid, Flange Mount



104-1213B-A.1

Features

- Surge current of 40kA
- Max Power of 750W
- Frequency range from 800MHz to 2500MHz
- Type 7/16 DIN Male to Female connectors
- TNC DC Injection Port
- Waterproof IP67 rated
- VSWR 1.1:1

Applications

- GPS
- Active antenna systems
- Cellular

Description

RF surge protector (also known as lightning arrester) 104-1213B-A.1 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	Hybrid			
DC Handling	DC Pass			
Description	Minimum	Typical	Maximum	Units
Frequency Range	0.8		2.5	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Insertion Loss			0.1	dB
Operating Voltage (DC)			24	Volts
Operating Current (DC)			4	A
Input Power, CW			750	Watts
Surge Current			20	kA
Turn On Voltage		26.5		Volts
Throughput Energy			25	uJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Type 7/16 DIN F/M Coaxial RF Surge Protector, 800MHz - 2500MHz, TNC DC Injection Port, 24V, 750W, IP67, 40kA Hybrid, Flange Mount 104-1213B-A.1](#)

Type 7/16 DIN F/M Coaxial RF Surge Protector, 800MHz - 2500MHz, TNC DC Injection Port, 24V, 750W, IP67, 40kA Hybrid, Flange Mount



104-1213B-A.1

Mechanical Specifications

Size

Length	3.63 in [92.2 mm]
Width/Diameter	1.74 in [44.2 mm]
Height	3.53 in [89.66 mm]
Weight	1.1023 lbs [499.99 g]
Housing Material and Plating	Aluminum

Configuration

Input Connector	7/16 DIN Female
Output Connector	7/16 DIN Male

Environmental Specifications

Temperature

Operating Range	-50 to +85 deg C
Ingress Protection (IP) Rating	IP67

Humidity	95%
----------	-----

Compliance Certifications

RoHS Compliant

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 7/16 DIN F/M Coaxial RF Surge Protector, 800MHz - 2500MHz, TNC DC Injection Port, 24V, 750W, IP67, 40kA Hybrid, Flange Mount 104-1213B-A.1](#)

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.

Type 7/16 DIN F/M Coaxial RF Surge Protector, 800MHz - 2500MHz, TNC
DC Injection Port, 24V, 750W, IP67, 40kA Hybrid, Flange Mount

104-1213B-A.1 CAD Drawing

