

7/16 DIN F/M Quarter Wave RF Protector,
DC to 4.5GHz, Low PIM



QWP-DFDM-ER

Features

- Extended Range Broadband Performance from 555 to 4,500 MHz
- DC Block Topology
- Repetitive Strike Protection
- Low PIM

Applications

- CBRS Networks
- Cellular
- Distributed Antenna Systems (DAS)
- Emergency Response Systems
- Public Safety Systems

Description

RF surge protector (also known as lightning arrestor) QWP-DFDM-ER from PolyPhaser utilizing a quarter wave stub 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	Quarter Wave Stub			
Description	Minimum	Typical	Maximum	Units
Frequency Range	0.555		4.5	GHz
Impedance		50		Ohms
VSWR			1.18:1	
Insertion Loss			0.1	dB
Passive Intermodulation			160	
Input Power, CW			500	Watts
Surge Current			50	kA
IEC 61000-4-5 8/20μs				

Mechanical Specifications

Size	
Length	2.87 in [72.9 mm]
Width/Diameter	0.98 in [24.89 mm]
Height	1.54 in [39.12 mm]
Weight	0.5 lbs [226.8 g]
Housing Material and Plating	Brass, Tri-metal

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

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.

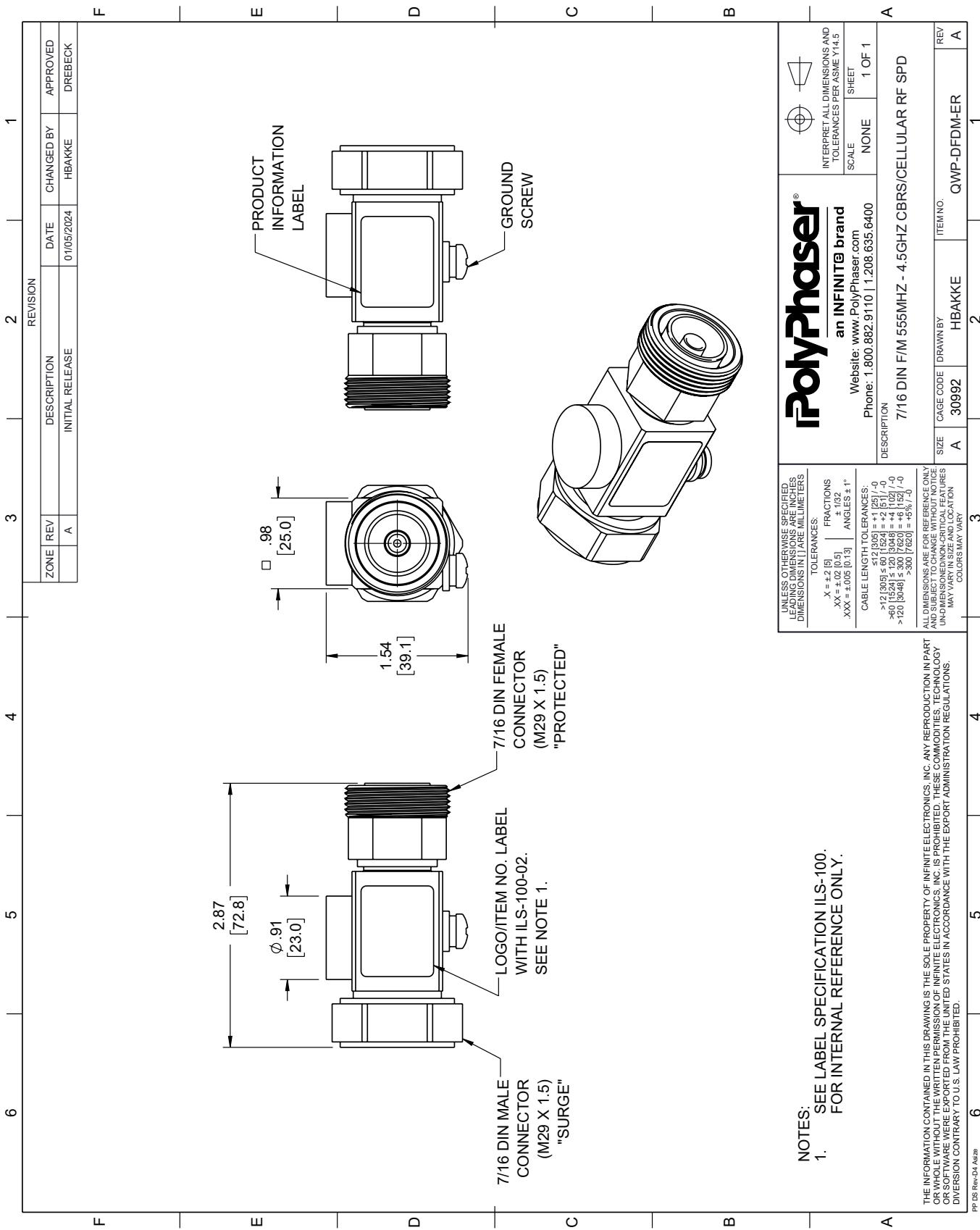
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN F/M Quarter Wave RF Protector, DC to 4.5GHz, Low PIM QWP-DFDM-ER](#)

URL: <https://www.polyphaser.com/7-16-surge-protector-4.5ghz-quarter-wave-stub-qwp-dfdm-er-p.aspx>

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QWP-DFDM-ER CAD Drawing

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