

7/16 F/F Coaxial RF Surge Protector, 100MHz - 512MHz, DC Block, 750W, IP67, .5uJ, 20kA, Filter, Low PIM -155 dBc, Bracket Down, Hole Mount



VHF50ED-PGR

Features

- Surge current of 20kA
- Max Power 750W
- Frequency range from 100 to 512 MHz VHF Band
- DIN-type Female connectors
- VSWR 1.1:1
- Waterproof IP67 rated
- DC Block
- Multi-strike capability
- CE & RoHS compliant

Applications

- Emergency response systems
- Public safety systems

Description

RF filter (also known as lightning arrester or surge arrester) VHF50ED-PGR from PolyPhaser, integrating a patented inductor designed for lightning surges and a RF blocking capacitor. 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

Surge Filter
DC Block

Description	Minimum	Typical	Maximum	Units
Frequency Range	100		512	MHz
Impedance		50		Ohms
VSWR			1.1:1	
Insertion Loss			0.1	dB
Passive Intermodulation			-155	dBc
Input Power, CW			750	Watts
Input Power, Peak			27	Watts
Surge Current IEC 61000-4-5 8/20µs waveform one strike			20	kA
Throughput Energy for 3kA @ 8/20µs waveform			500	nJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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Mechanical Specifications

Weight	1 lbs [453.59 g]
Configuration	
Input Connector	7/16 DIN Female
Output Connector	7/16 DIN Female

Environmental Specifications

Ingress Protection (IP) Rating	IP67
Humidity	95%

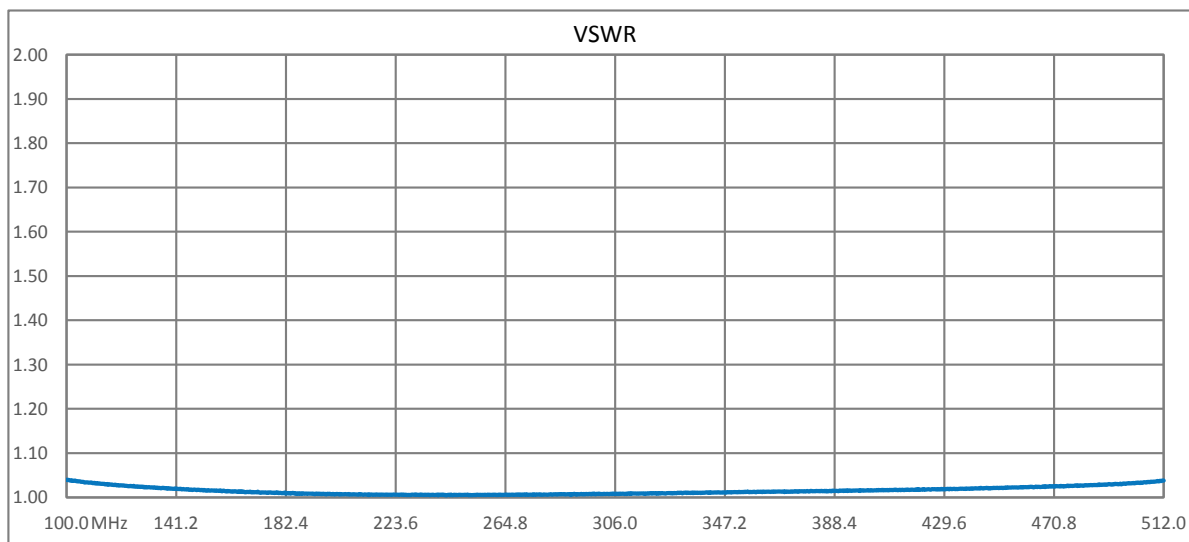
Compliance Certifications

CE

Plotted and Other Data

Notes:

Typical Performance Data

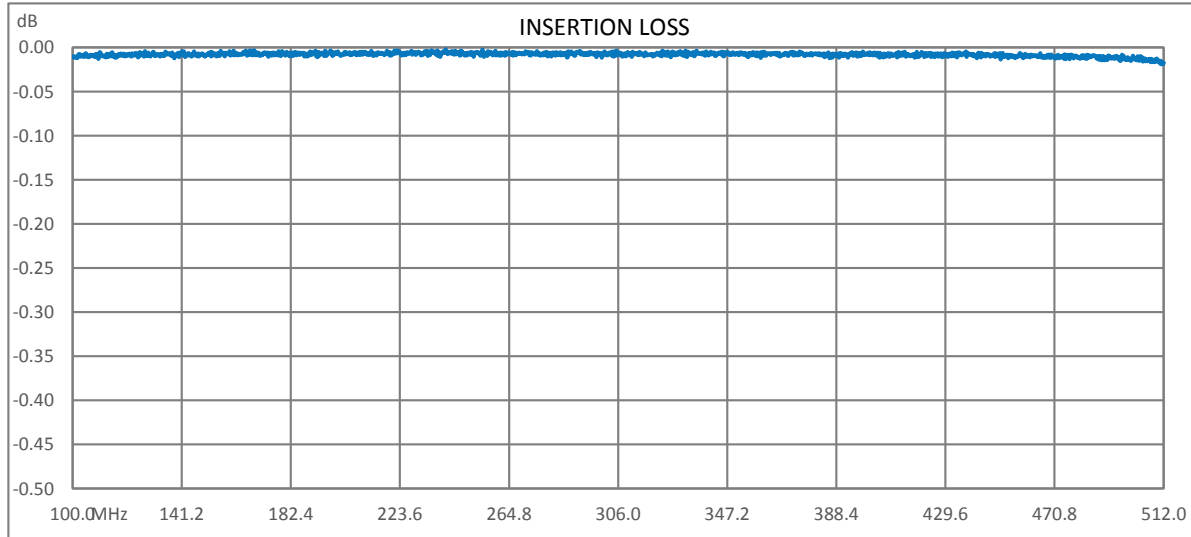


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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.

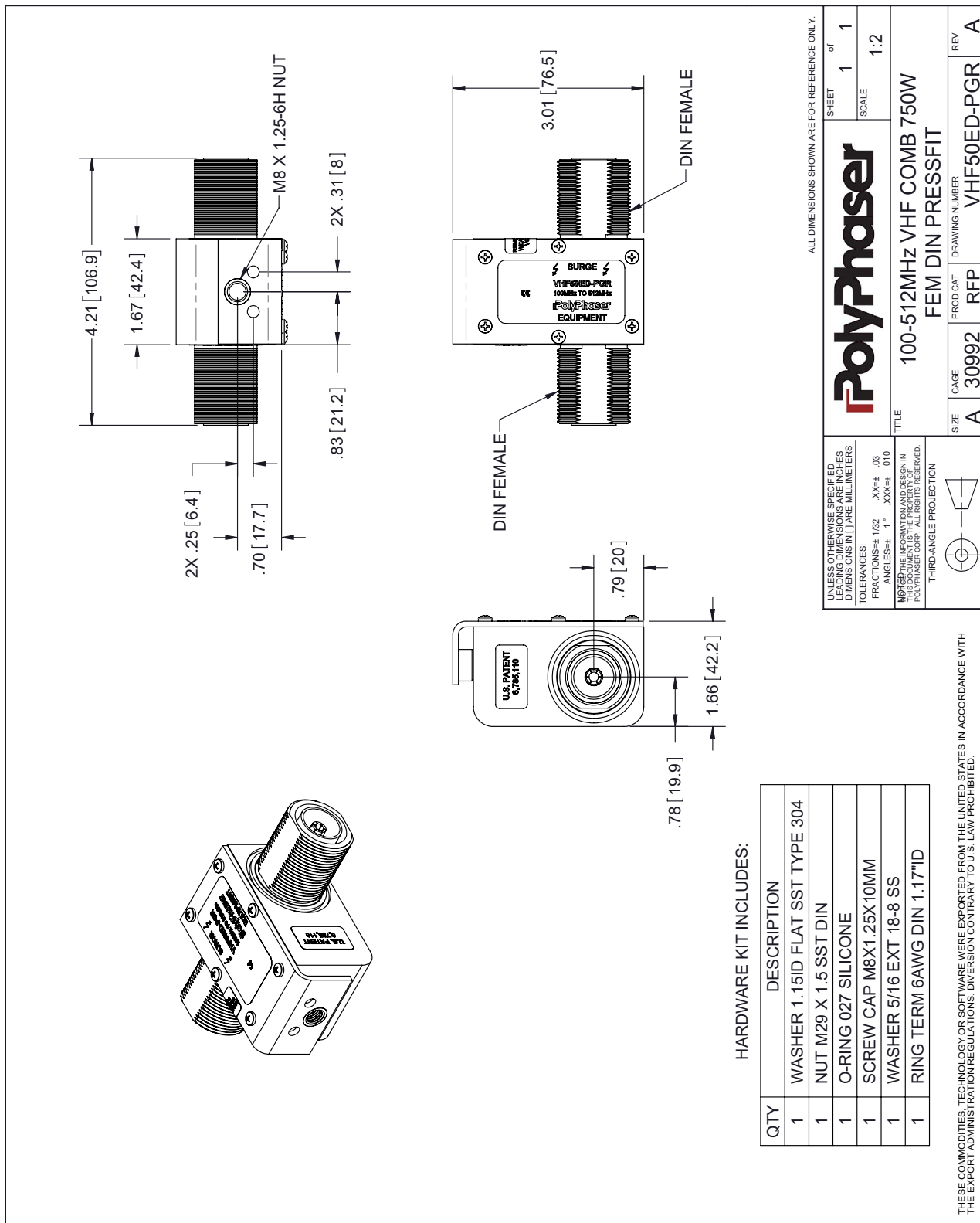
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VHF50ED-PGR CAD Drawing



ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

	SHEET	1	of	1
	SCALE	1:2		
TITLE 100-512MHz VHF COMB 750W FEM DIN PRESSFIT		SIZE	CAGE	PROD CAT
A	30992	RFP	DRAWING NUMBER VHF50ED-PGR	
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: FRACTIONS ± 1/32 .XXF ± .03 ANGLES ± 1° .XXX ± .010 FINISHES: UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE POLYPHASER CORP. ALL RIGHTS RESERVED. THIRD-ANGLE PROJECTION				

HARDWARE KIT INCLUDES:

QTY	DESCRIPTION
1	WASHER 1.15ID FLAT SST TYPE 304
1	NUT M29 X 1.5 SST DIN
1	O-RING 027 SILICONE
1	SCREW CAP M8X1.25X10MM
1	WASHER 5/16 EXT 18-8 SS
1	RING TERM 6AWG DIN 1.17"ID

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