



11 Section Lowpass Filter With SMA Female Connectors Operating From DC to 7 GHz

TECHNICAL DATA SHEET

PE87FL1015

The PE87FL1015 is an Eleven section Low pass filter. The pass band is 7000 MHz wide, from 0 to 7 GHz with excellent rejection of 50 dB at 10.5 GHz to 15 GHz. It has a maximum insertion loss of 1.5 dB. The PE87FL1015 has SMA female connectors.

Configuration

Design	Low Pass Filter
Number of Sections	11
Connector 1	SMA Female
Connector 2	SMA Female
Passband Frequency Range	DC to 7 GHz

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Passband Freq.	DC		7	GHz
Useable Freq. Range		DC to 7		GHz
Impedance		50		Ohms
Insertion Loss			1.5	dB
Input Power			6	Watts
Rejection at 10.5 GHz	50			dB
Rejection at 15 GHz	50			dB

Mechanical Specifications

Size	
Length	1.2 in [30.48 mm]
Width	0.55 in [13.97 mm]
Height	0.44 in [11.18 mm]
Weight	0.04 lbs [18.14 g]

Connectors

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [11 Section Lowpass Filter With SMA Female Connectors Operating From DC to 7 GHz PE87FL1015](#)

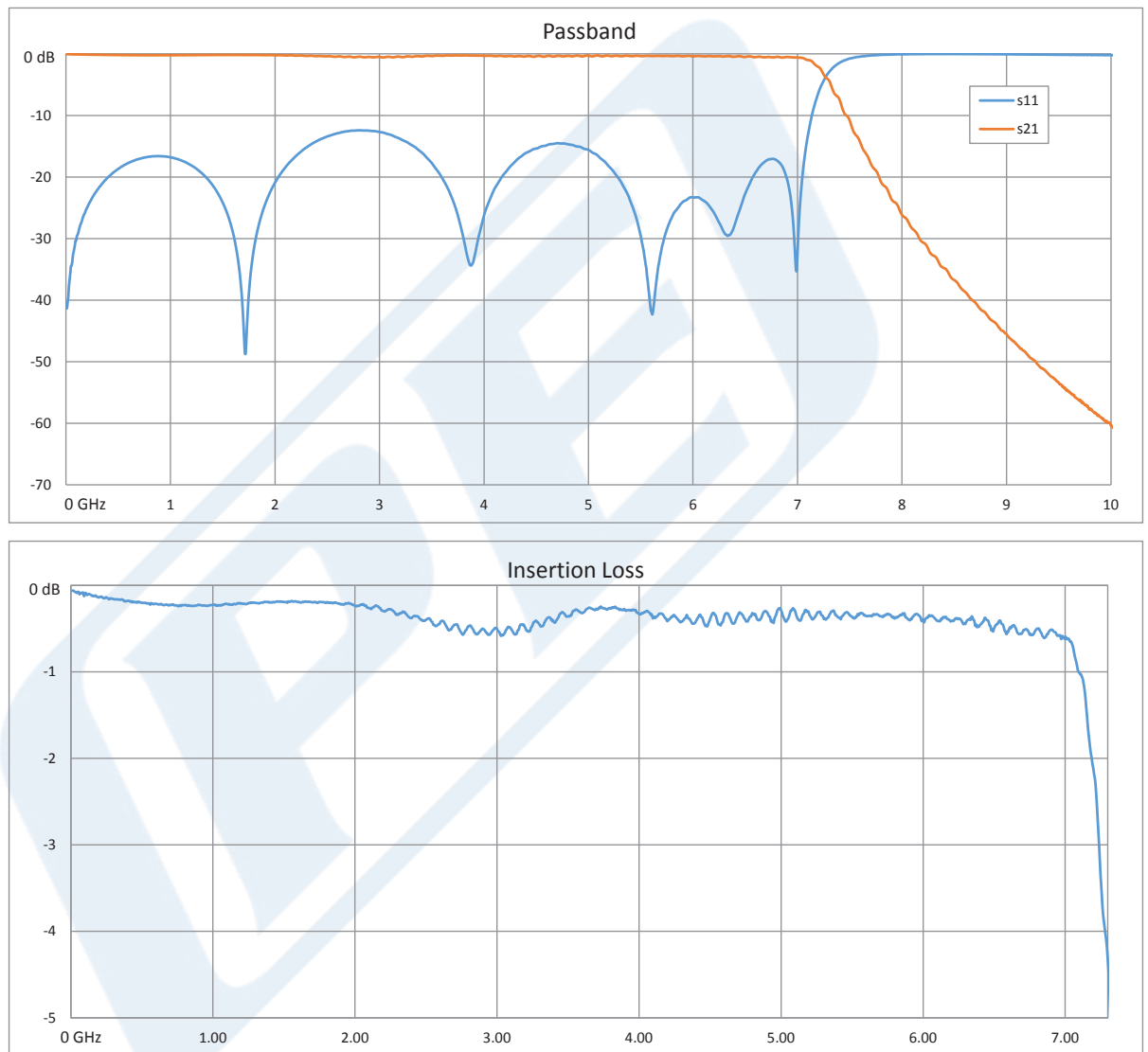


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Typical Performance Data



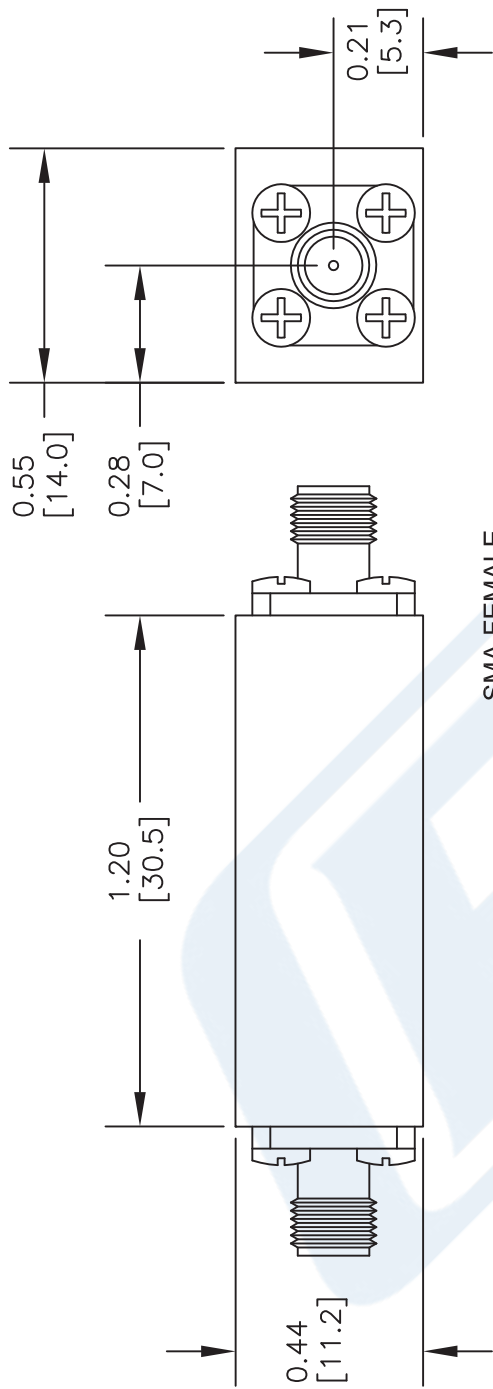
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [11 Section Lowpass Filter With SMA Female Connectors Operating From DC to 7 GHz PE87FL1015](#)

PE87FL1015

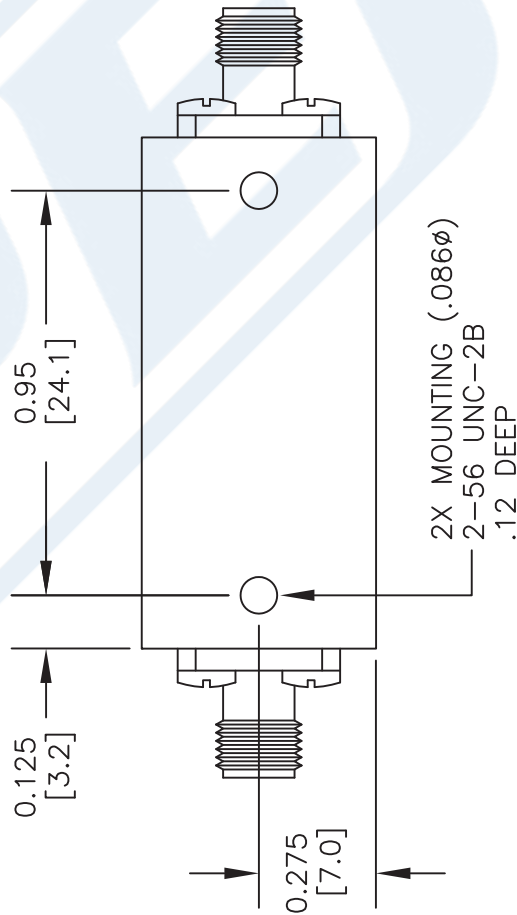


PE87FL1015 CAD Drawing

11 Section Lowpass Filter With SMA Female Connectors Operating From DC to 7 GHz



SMA FEMALE
FIELD REPLACEABLE
TYP.



TOLERANCE	
.X	± .1
.XX	± .01
.XXX	± .005
.XXXX	± .0010

* THESE DIMENSIONS AND TOLERANCES
SUPERSEDE NOTE #1 ON TITLE BLOCK.

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE

PE87FL1015

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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FSCM NO. 53919

CAD FILE 110215

SCALE N/A

SIZE A

2233