



6 Section Bandpass Filter With SMA Female Connectors Operating From 5.25 GHz to 5.85 GHz With a 600 MHz Passband

Bandpass Filters Technical Data Sheet

PE8740

Features

- Pass band of 600 MHz
- 5.25 to 5.85 GHz
- Six section
- Combine filter design
- Minimum 30 dB rejection at 4.4 GHz to 4.95 GHz frequency range
- Maximum insertion loss of 1.25 dB
- Female SMA connectors

Applications

- P2P
- Public Safety

Description

The PE8740 is a six section band pass filter that is useful for filtering for P2P and public safety uses. The pass band is 600 MHz, or 5.25 to 5.85 GHz. Implementing a combine design, the filter has excellent minimum rejection of 30 dB at 4.4 GHz to 4.95 GHz frequency range. It has a maximum insertion loss of 1.25 dB. The PE8740 has SMA Female connectors.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Passband Frequency	5.25		5.85	GHz
Impedance		50		Ohms
Insertion Loss			1.25	dB
Passband VSWR		1.5:1		
Rejection at 4.4 GHz	30			dB
Rejection at 4.95 GHz	30			dB
Input Power, CW			5	Watts

Electrical Specification Notes: Values at +25°C, sea level.

Mechanical Specifications

Size

Length	2 in [50.8 mm]
Width	0.69 in [17.53 mm]
Height	0.53 in [13.46 mm]
Weight	0.09 lbs [40.82 g]

Configuration

Design	Bidirectional Combine
Number of Sections	6
Package Style	Connectorized Module
Connector 1	SMA Female
Connector 2	SMA Female

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [6 Section Bandpass Filter With SMA Female Connectors Operating From 5.25 GHz to 5.85 GHz With a 600 MHz Passband PE8740](#)



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Compliance Certifications (visit www.Pasternack.com for current document)

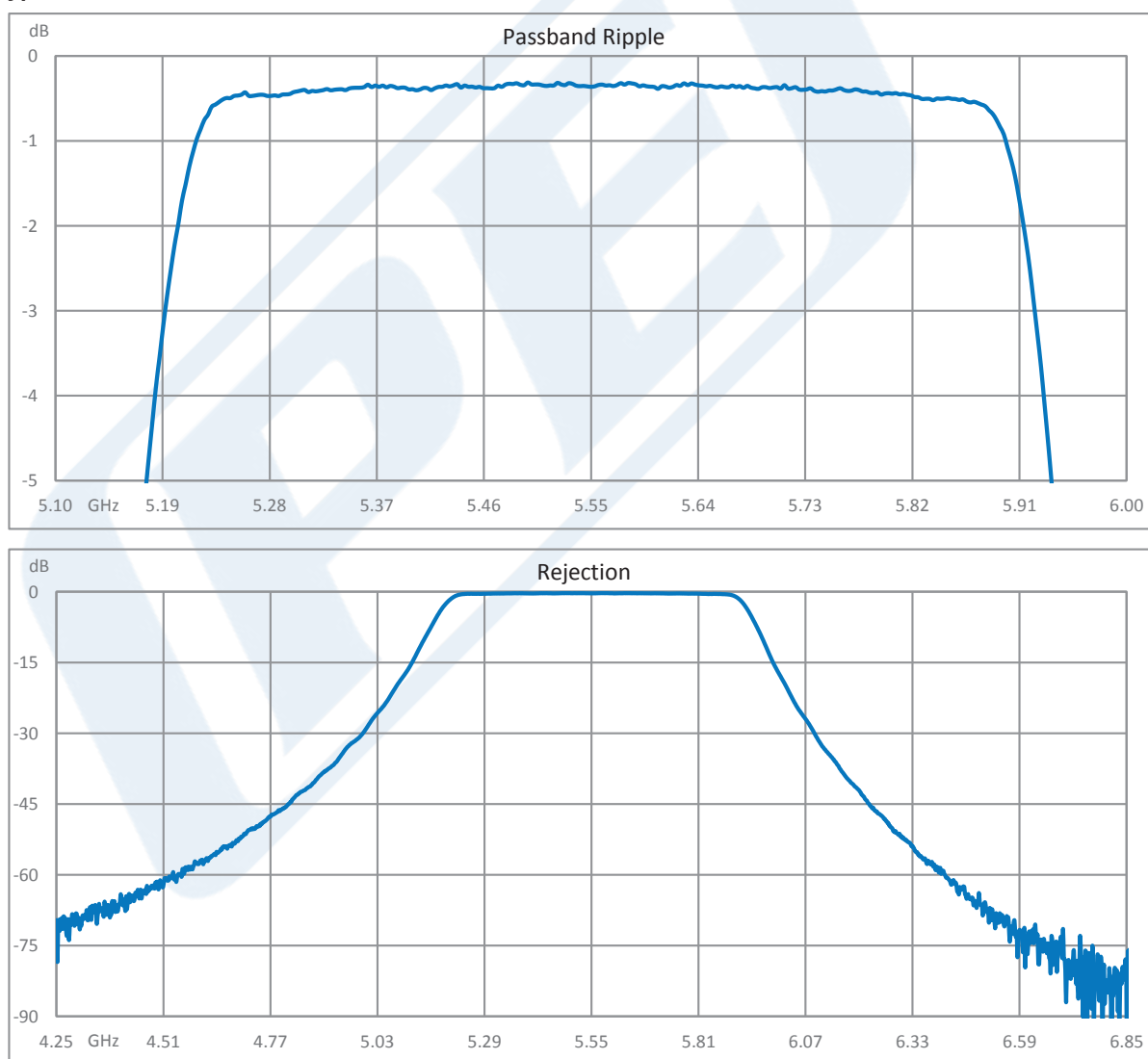
RoHS Compliant
REACH Compliant

12/17/2015

Plotted and Other Data

Notes:

Typical Performance Data



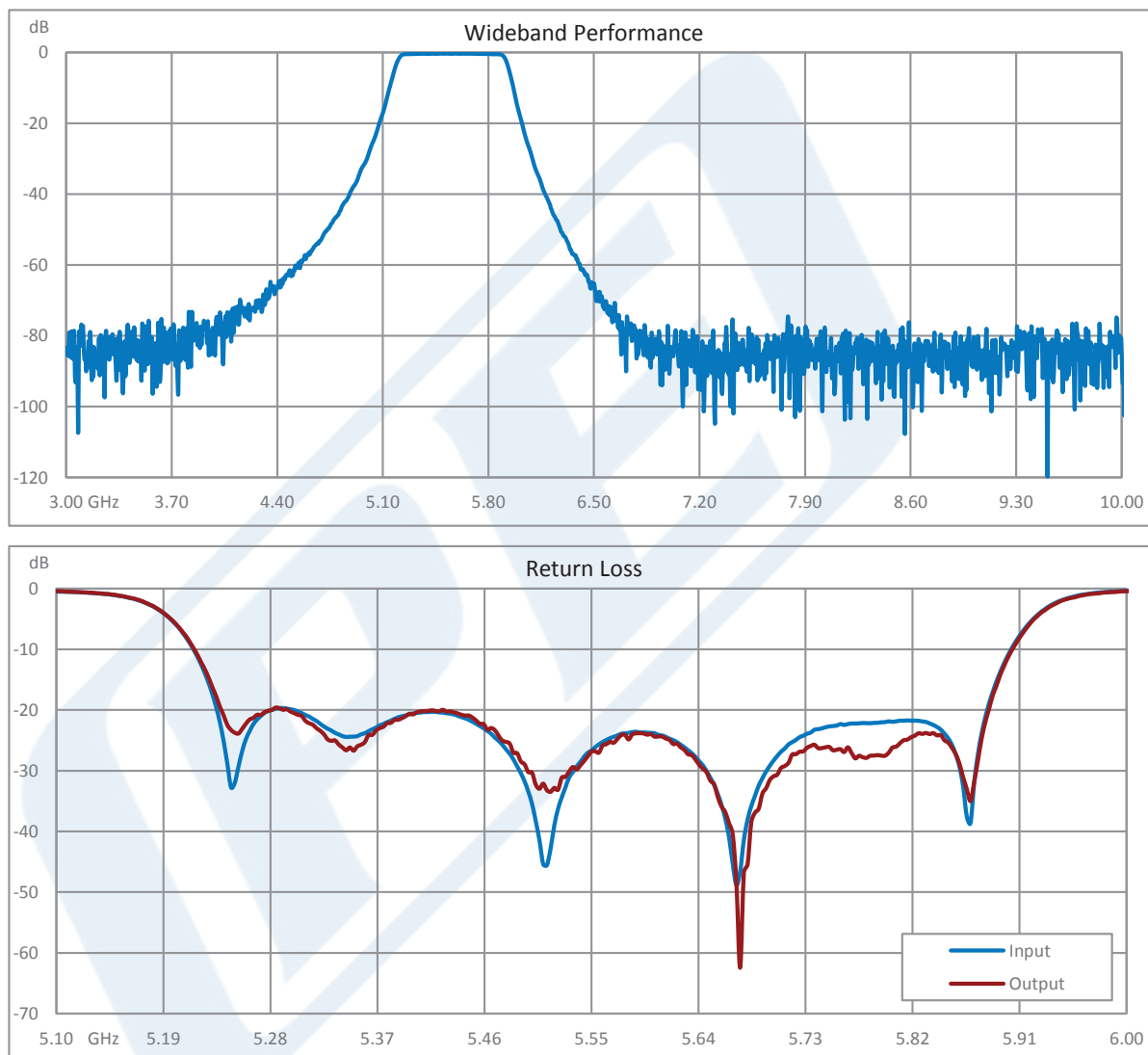
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