



## 4 Section Bandpass Filter With SMA Female Connectors Operating From 3.3 GHz to 3.7 GHz With a 400 MHz Passband

### Bandpass Filters Technical Data Sheet

PE8713

#### Features

- Pass band of 400 MHz
- 3.3 to 3.7 GHz
- Four section
- Combine filter design
- Minimum 50 dB rejection at 1.6 GHz and 5.4 GHz (about 1.7 GHz from band edge)
- Typical insertion loss of 0.75 dB
- Female SMA connectors

#### Applications

- WiMax

#### Description

The PE8713 is a four section band pass filter that is useful for filtering for WiMAX uses. The pass band is 400 MHz, or 3.3 to 3.7 GHz. Implementing a combine design, the filter has excellent minimum rejection of 50 dB at 1.6 GHz and 5.4 GHz, or about 1.7 GHz from the band edges. It has a typical insertion loss of 0.75 dB. The PE8713 has SMA Female connectors.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Passband Frequency	3.3		3.7	GHz
Impedance		50		Ohms
Insertion Loss		0.75		dB
Passband VSWR		1.5:1		
Rejection at 1.6 GHz	50			dB
Rejection at 5.4 GHz	50			dB
Input Power, CW			5	Watts

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

#### Mechanical Specifications

##### Size

Length	1.42 in [36.07 mm]
Width	0.85 in [21.59 mm]
Height	0.53 in [13.46 mm]
Weight	0.13 lbs [58.97 g]

##### Configuration

Design	Combine
Number of Sections	4
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: [4 Section Bandpass Filter With SMA Female Connectors Operating From 3.3 GHz to 3.7 GHz With a 400 MHz Passband PE8713](#)



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#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

REACH Compliant

12/17/2015

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

4 Section Bandpass Filter With SMA Female Connectors Operating From 3.3 GHz to 3.7 GHz With a 400 MHz Passband from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

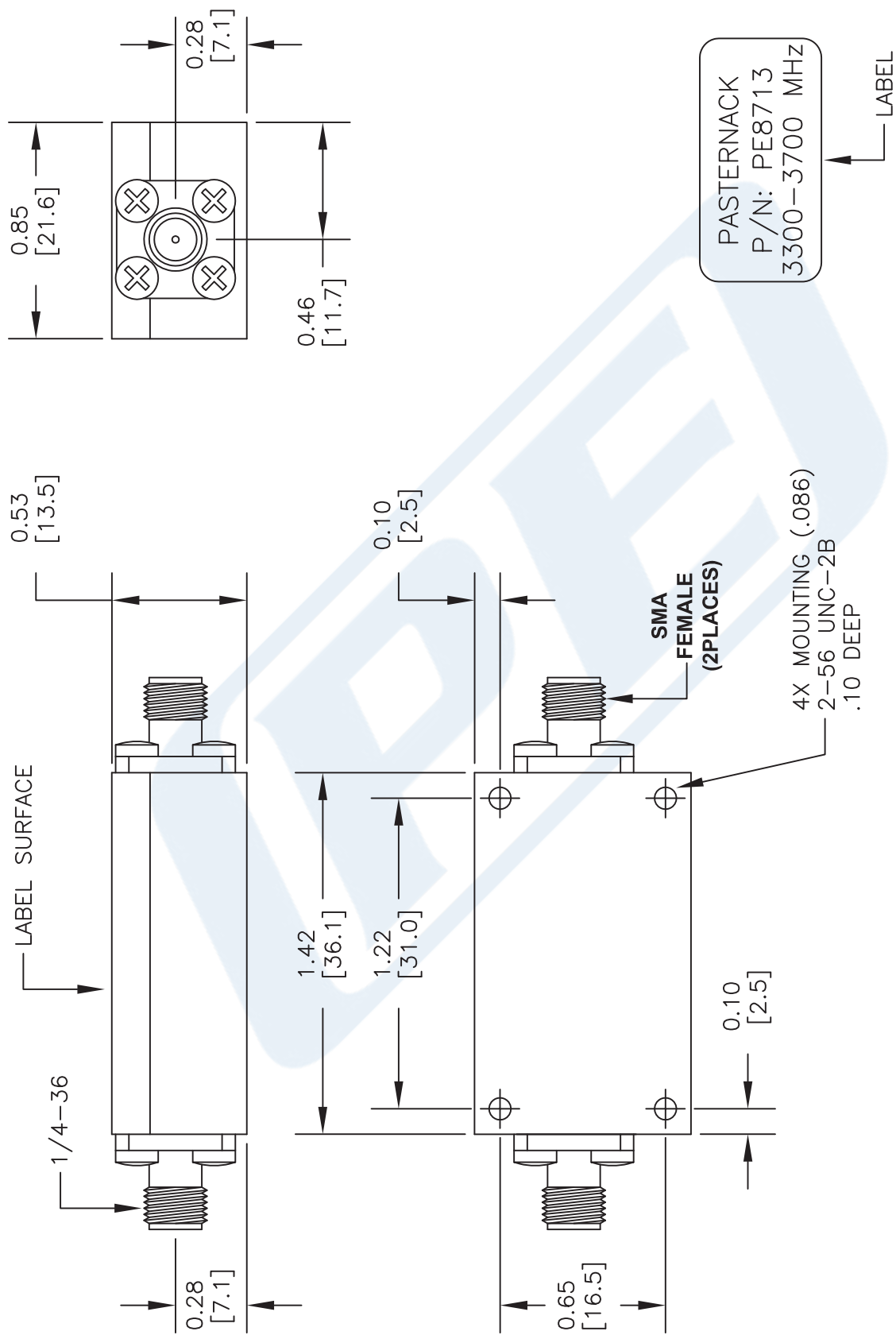
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4 Section Bandpass Filter With SMA Female Connectors Operating From 3.3 GHz to 3.7 GHz With a 400 MHz Passband PE8713](http://www.pasternack.com/4-section-band-pass-filter-3.3-ghz-3.7-ghz-passband-400-mhz-pe8713-p.aspx)

URL: <http://www.pasternack.com/4-section-band-pass-filter-3.3-ghz-3.7-ghz-passband-400-mhz-pe8713-p.aspx>

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# PE8713 CAD Drawing

4 Section Bandpass Filter With SMA Female Connectors Operating From 3.3 GHz to 3.7 GHz With a 400 MHz Passband



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		SCALE N/A		SIZE A		3045	
PE8713		050216		FSCM NO. 53919		CAD FILE	

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