



50 Ohm SMA Isolator Operating From 3.5 GHz to  
12.8 GHz And 2 Watts With 17 dB Isolation

TECHNICAL DATA SHEET

PE8314

**Configuration**

Connector 1	SMA Female
Connector 2	SMA Female
Frequency Range	3.5 GHz to 12.8 GHz
Design	Isolator

**Electrical Specifications** (Values at 25°C, sea level)

Description	Minimum	Typical	Maximum	Units
Frequency Range	3.5		12.8	GHz
Impedance		50		Ohms
Insertion Loss			2.2	dB
Forward Power			2	Watts
Reverse Power			2	Watts
Input VSWR			1.5:1	
Isolation	17			dB

**Mechanical Specifications**

**Temperature**

Operating Range	-55 to 65 deg C
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**Size**

Length	2 in [50.8 mm]
Width	1.2 in [30.48 mm]
Height	0.53 in [13.46 mm]

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

RoHS Compliant	Yes
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**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: [50 Ohm SMA Isolator Operating From 3.5 GHz to 12.8 GHz And 2 Watts With 17 dB Isolation PE8314](#)

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.

## PE8314

Technical drawing of the PASTERNAK PE8314 antenna. The drawing shows a side view and a top view. The side view shows a central section with a length of 2.00 [50.8] and two side sections with lengths of 1.20 [30.5] and 0.90 [22.9]. The top view shows a central section with a width of 0.23 [5.7] and two side sections with widths of 1.55 [39.4] and 0.53 [13.5]. The antenna is labeled 'PASTERNAK PE8314' and 'SMA FEMALE'.

URL: <http://www.pasternack.com/50-ohm-sma-isolator-3.5-12.8-ghz-2-watts-17-db-pe8314-p.aspx>

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