



50 Ohm 2.92mm Isolator Operating From 26.5 GHz  
to 40 GHz And 5 Watts With 14 dB Isolation

TECHNICAL DATA SHEET

PE8320

**Configuration**

Connector 1	2.92mm Female
Connector 2	SMA Female
Frequency Range, GHz	26.5 to 40
Design	Isolator

**Electrical Specifications**

Frequency Range, GHz	26.5 to 40
Impedance, Ohms	50
Maximum Insertion Loss, dB	1
Forward Power, Watts	5
Maximum Input VSWR	1.5:1
Minimum Isolation, dB	14
Peak Power, Watts	30

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-20 to +65
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**Size**

Length, in [mm]	1.25 [31.75]
Width, in [mm]	0.85 [21.59]
Height, in [mm]	0.5 [12.7]
Weight, lbs [g]	0.056 [25.4]

**Connector 1**

Contact Material and Plating	Beryllium Copper, Gold
Connector Material and Plating	Passivated Stainless Steel
Body Material and Plating	Passivated Stainless Steel

**Connector 2**

Contact Material and Plating	Beryllium Copper, Gold
Connector Material and Plating	Passivated Stainless Steel
Body Material and Plating	Passivated Stainless Steel

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

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm 2.92mm Isolator Operating From 26.5 GHz to 40 GHz And 5 Watts With 14 dB Isolation PE8320](#)

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.



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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

50 Ohm 2.92mm Isolator Operating From 26.5 GHz to 40 GHz And 5 Watts With 14 dB Isolation from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

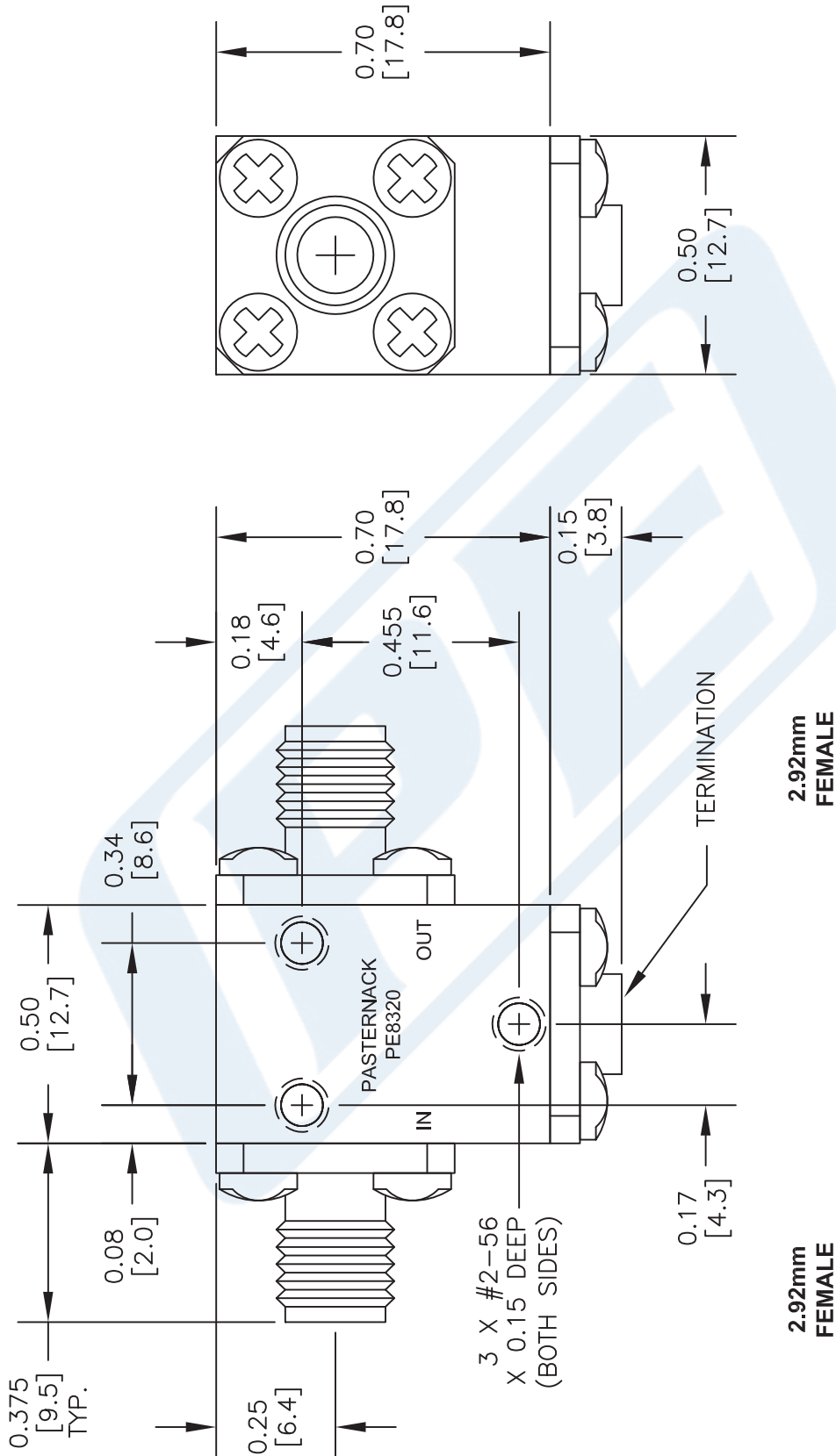
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm 2.92mm Isolator Operating From 26.5 GHz to 40 GHz And 5 Watts With 14 dB Isolation PE8320](http://www.pasternack.com/50-ohm-2.92mm-isolator-26.5-40-ghz-5-watts-14-db-pe8320-p.aspx)

URL: <http://www.pasternack.com/50-ohm-2.92mm-isolator-26.5-40-ghz-5-watts-14-db-pe8320-p.aspx>

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# PE8320 CAD Drawing

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DWG TITLE

**PE8320**

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].

**Pasternack Enterprises, Inc.**  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

FSCM NO. 53919

CAD FILE 020514

SCALE N/A

SIZE A

2233