



50 Ohm 2.92mm Isolator Operating From 27 GHz
to 31 GHz And 5 Watts With 20 dB Isolation

TECHNICAL DATA SHEET

PE8319

Configuration

Connector 1	2.92mm Female
Connector 2	SMA Female
Frequency Range, GHz	27 to 31
Design	Isolator

Electrical Specifications

Frequency Range, GHz	27 to 31
Impedance, Ohms	50
Maximum Insertion Loss, dB	0.6
Forward Power, Watts	5
Maximum Input VSWR	1.25:1
Minimum Isolation, dB	20
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]	0.03 [13.61]

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 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 27 GHz to 31 GHz And 5 Watts With 20 dB Isolation PE8319](#)

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 27 GHz to 31 GHz And 5 Watts With 20 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.

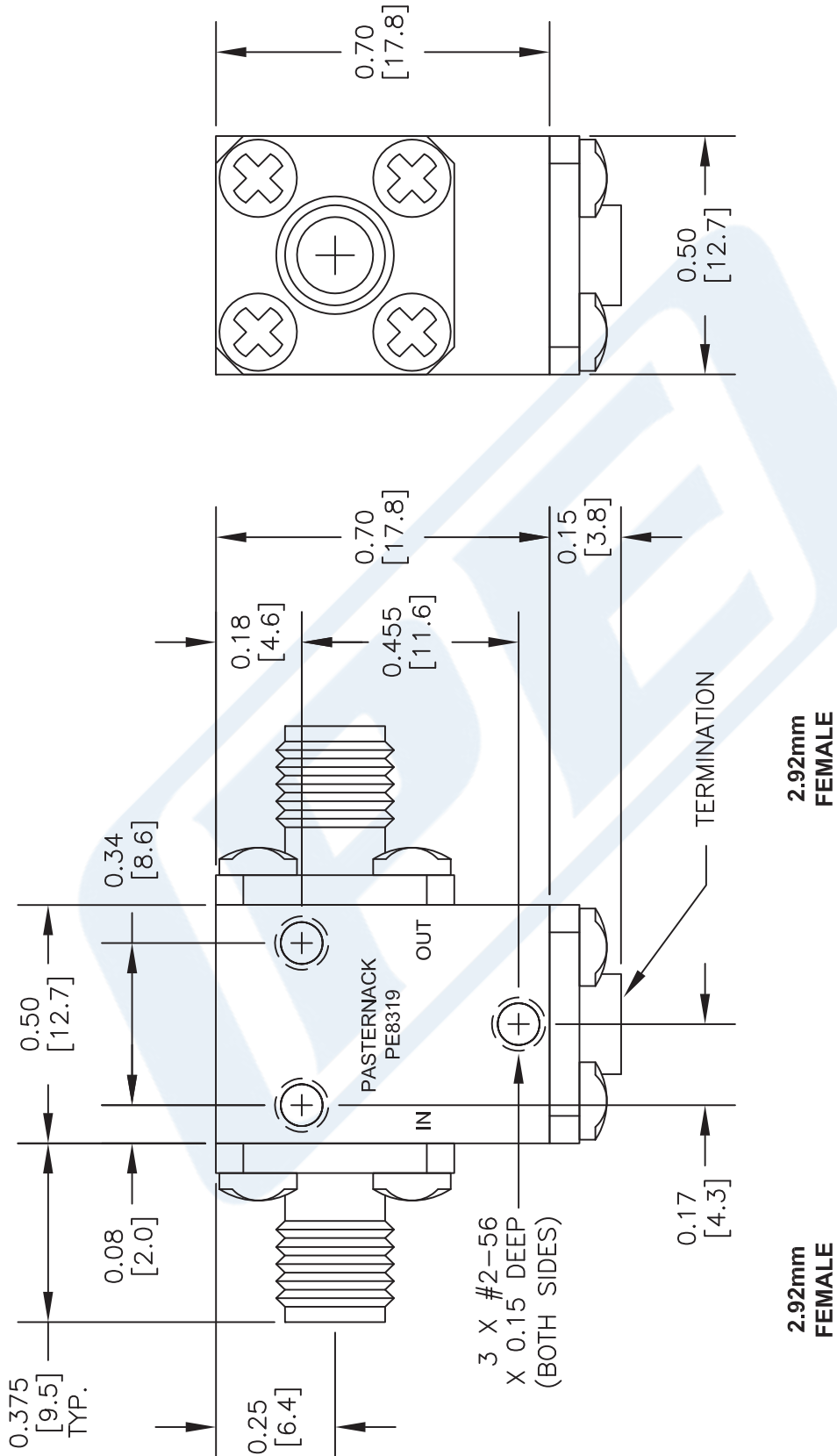
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm 2.92mm Isolator Operating From 27 GHz to 31 GHz And 5 Watts With 20 dB Isolation PE8319](http://www.pasternack.com/50-ohm-2.92mm-isolator-27-31-ghz-5-watts-20-db-pe8319-p.aspx)

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PE8319 CAD Drawing

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DWG TITLE

PE8319

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].

FSCM NO. 53919

SIZE A

CAD FILE 020514

SCALE N/A

2233

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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