



50 Ohm SMA Isolator Operating From 17.3 GHz to
22 GHz And 10 Watts With 20 dB Isolation

TECHNICAL DATA SHEET

PE8318

Configuration

Connector 1	SMA Female
Connector 2	SMA Female
Frequency Range	17.3 GHz to 22 GHz
Design	Isolator

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

Description	Minimum	Typical	Maximum	Units
Frequency Range	17.3		22	GHz
Impedance		50		Ohms
Insertion Loss			0.5	dB
Forward Power			10	Watts
Input VSWR			1.25:1	
Isolation	20			dB
Peak Power			30	Watts

Mechanical Specifications

Temperature

Operating Range	-20 to 65 deg C
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Size

Length	1.25 in [31.75 mm]
Width	0.85 in [21.59 mm]
Height	0.5 in [12.7 mm]
Weight	0.057 lbs [25.85 g]

Connectors

Description	Connector 1	Connector 2	Connector 3
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Connector Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	
Body Material and Plating	Passivated Stainless Steel	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 SMA Isolator Operating From 17.3 GHz to 22 GHz And 10 Watts With 20 dB Isolation PE8318](#)

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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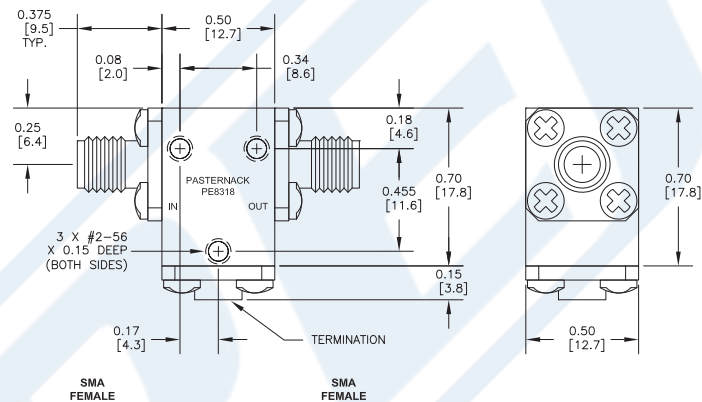
PE8318

Plotted and Other Data

Notes:

- Values at 25 °C, sea level

Outline Drawing



50 Ohm SMA Isolator Operating From 17.3 GHz to 22 GHz And 10 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 SMA Isolator Operating From 17.3 GHz to 22 GHz And 10 Watts With 20 dB Isolation PE8318](http://www.pasternack.com/50-ohm-sma-isolator-17.3-22-ghz-10-watts-20-db-pe8318-p.aspx)

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