



Directional 20 dB SMA Coupler From 500 MHz to 3 GHz Rated To 50 Watts

TECHNICAL DATA SHEET

PE2242-20

Configuration

Connector 1	SMA Female
Connector 2	SMA Female
Coupled Connectors	SMA
Design	Directional Coupler

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

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.5		3	GHz
Impedance		50		Ohms
Insertion Loss			0.5	dB
Input Power			50	Watts
Input VSWR			1.3:1	
Secondary Line VSWR			1.3:1	
Coupling Value		20		dB
Coupling Tolerance			± 1.5	dB

Mechanical Specifications

Temperature

Operating Range -30 to +85 deg C

Size

Length 4.72 in [119.89 mm]
 Width/Dia. 1.18 in [29.97 mm]
 Height 0.41 in [10.41 mm]

Color

Blue

Housing Material and Plating

Aluminum

Connectors

Description	Connector 1	Connector 2	Coupled Connectors
Type	SMA Female	SMA Female	SMA
Inner Conductor Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	Beryllium Copper, Gold
Outer Conductor Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	Passivated Stainless Steel

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Directional 20 dB SMA Coupler From 500 MHz to 3 GHz Rated To 50 Watts PE2242-20](#)



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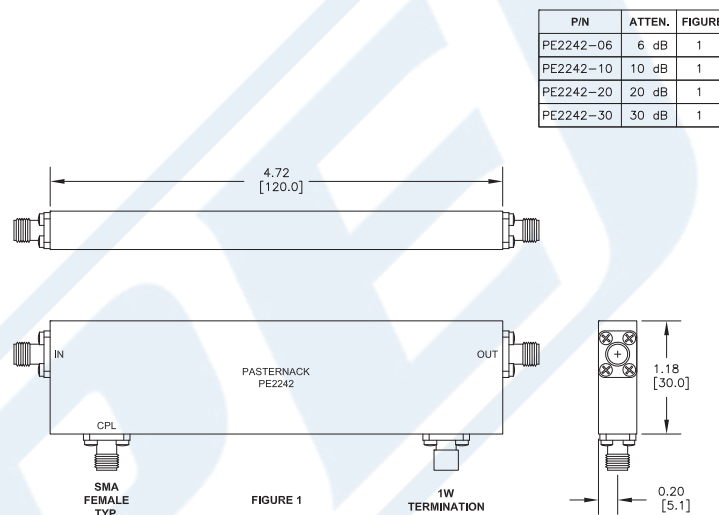
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Plotted and Other Data

Notes:

- Values at 25 °C, sea level

Outline Drawing



Directional 20 dB SMA Coupler From 500 MHz to 3 GHz Rated To 50 Watts 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: [Directional 20 dB SMA Coupler From 500 MHz to 3 GHz Rated To 50 Watts PE2242-20](http://www.pasternack.com/directional-20-db-sma-coupler-500-mhz-3-ghz-50-watts-pe2242-20-p.aspx)

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