



Directional 20 dB SMA Coupler From 1 GHz
to 4 GHz Rated To 50 Watts

TECHNICAL DATA SHEET

PE2209-20

Directional 20 dB SMA Coupler From 1 GHz to 4 GHz Rated To 50 Watts

Configuration

Connector 1	SMA Female
Connector 1 Specification	MIL-STD-348
Connector 2	SMA Female
Connector 2 Specification	MIL-STD-348
Connector 3	SMA Female
Connector 3 Specification	MIL-STD-348
Design	Directional Coupler

Electrical Specifications

Frequency Range, GHz	1 to 4
Directivity, dB	23
Impedance, Ohms	50
Maximum Insertion Loss, dB	0.45
Maximum Input Power, Watts	50
Maximum Input VSWR	1.2:1
Maximum Secondary Line VSWR	1.2:1
Peak Power, KWatts	3
Maximum Operating Voltage, Vrms	50
Coupling Value, dB	20
Coupling Tolerance, dB	± 1
Frequency Sensitivity, dB	0.5

Mechanical Specifications

Size

Length, in [mm]	3.66 [92.96]
Width, in [mm]	1.25 [31.75]
Height, in [mm]	0.38 [9.65]

Connector 1

Type	SMA Female
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Connector 2

Type	SMA Female
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Connector 3

Type	SMA Female
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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: [Directional 20 dB SMA Coupler From 1 GHz to 4 GHz Rated To 50 Watts PE2209-20](#)



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

Plotted and Other Data

Notes:

Values at 25 °C, sea level

Directional 20 dB SMA Coupler From 1 GHz to 4 GHz Rated To 50 Watts 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: [Directional 20 dB SMA Coupler From 1 GHz to 4 GHz Rated To 50 Watts PE2209-20](http://www.pasternack.com/directional-20-db-sma-coupler-1-4-ghz-50-watts-pe2209-20-p.aspx)

URL: <http://www.pasternack.com/directional-20-db-sma-coupler-1-4-ghz-50-watts-pe2209-20-p.aspx>

PE2209-20 CAD Drawing

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