PASTERNACK
THE ENGINEER'S RF SOURCE



Directional 10 dB SMA Coupler From 500 MHz to 18 GHz Rated To 30 Watts

TECHNICAL DATA SHEET PE2243-10

Configuration

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

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

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.5		18	GHz
Directivity	20			dB
Impedance		50		Ohms
Insertion Loss			2.06	dB
Input Power			30	Watts
Input VSWR			1.37:1	
Peak Power			3	KWatts
Coupling Value		10		dB
Coupling Tolerance			± 1.25	dB
Frequency Sensitivity		1		dB

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	0.5 to 4	4 to 8	8 to 12.4	12.4 to 18		GHz
Insertion Loss	0.96	1.16	1.6	2.06		dB
VSWR	1.22	1.22:1	1.28:1	1.37:1		

Mechanical Specifications

Size

Length	5.15 in [130.81 mm]
Width/Dia.	0.38 in [9.65 mm]
Height	1.11 in [28.19 mm]

Connectors

Description	Connector 1	Connector 2	Coupled Connectors
Type	SMA Female	SMA Female	SMA Female

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Directional 10 dB SMA Coupler From 500 MHz to 18 GHz Rated To 30 Watts PE2243-10

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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

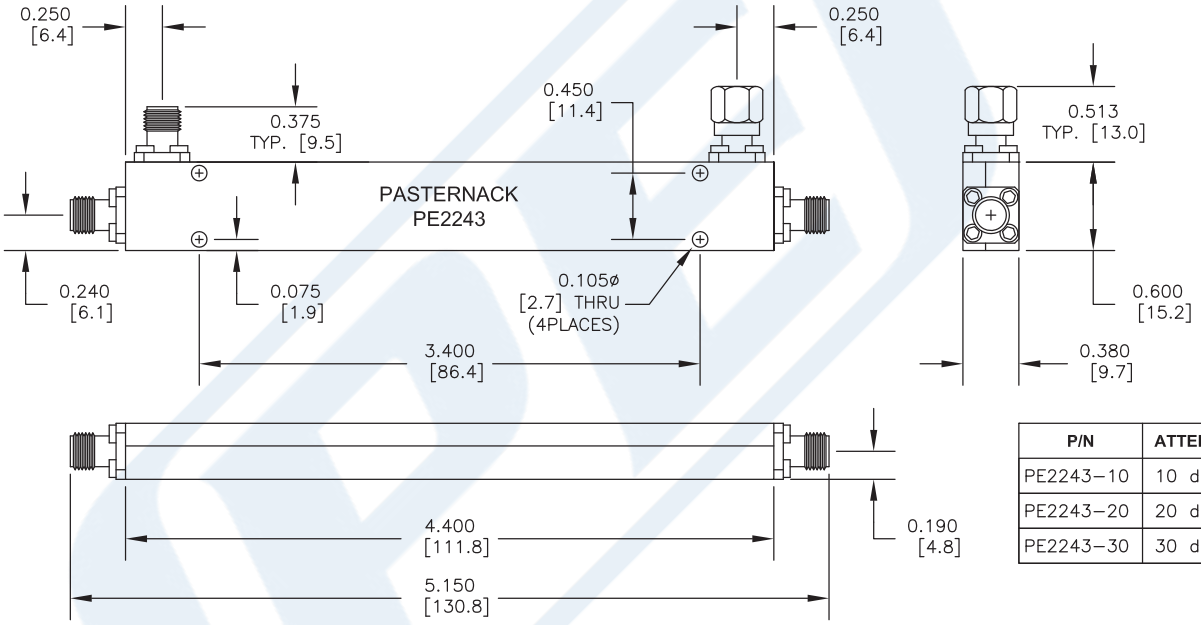
RoHS Compliant

Plotted and Other Data

Notes:

- Values at 25 °C, sea level

Outline Drawing



P/N	ATTEN.	FIGURE
PE2243–10	10 dB	1
PE2243–20	20 dB	1
PE2243–30	30 dB	1

FIGURE 1

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Directional 10 dB SMA Coupler From 500 MHz to 18 GHz Rated To 30 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 10 dB SMA Coupler From 500 MHz to 18 GHz Rated To 30 Watts PE2243-10

URL: http://www.pasternack.com/directional-10-db-sma-coupler-500-mhz-18-ghz-30-watts-pe2243-10-p.aspx

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