

Directional 35 dB N Coupler From 1 GHz to 11 GHz Rated to 600 Watts



Couplers Technical Data Sheet

PE2236-35

Features

- · High Power Directional Coupler
- 1 to 11 GHz Frequency Range
- Coupling 35±1.5 dB

- Directivity > 20 dB
- VSWR < 1.25:1
- Max Power 600 Watts (CW)

Applications

- Test and Measurement
- Military Communications
- · Commercial Communications Wireless Communications
- SATCOM

Description

Directional couplers are indispensable components for isolating, separating and combining signals. For example, they provide a simple way of sampling microwave signals. They also can make accurate attenuator measurements since reflections are eliminated. The PE2236-35 is a 35 dB high power directional coupler that operates from 1 to 11 GHz and can handle up to 600 Watts (CW) with 20 dB directivity minimum and 1.25:1 VSWR maximum. The package is REACH/RoHS compliant and uses N female and SMA female connectors.

The PE2236-35 is part of Pasternack's family of directional/dual-directional couplers that offer coupling ratios up to 50 dB with excellent performance featuring high directivity, low insertion loss and VSWR. They are available in both narrow and broad bandwidths and can be used in a wide variety of applications including signal sampling, VSWR measurements, power combining and distribution.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1		11	GHz
Impedance		50		Ohms
Coupling		35 ±1.5		dB
Frequency Sensitivity		±1.5		dB
Insertion Loss		0.2		dB
Directivity	20			dB
Main Line VSWR			1.25:1	
Input Power (CW)			600	Watts
Input Power (Peak)			10	KWatts

Electrical Specification Notes: Values at 25°C, sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Directional 35 dB N Coupler From 1 GHz to 11 GHz Rated to 600 Watts PE2236-35



Directional 35 dB N Coupler From 1 GHz to 11 GHz Rated to 600 Watts



Couplers Technical Data Sheet

PE2236-35

Mechanical Specifications

Size

Length 3.85 in [97.79 mm] Width/Dia. 0.8 in [20.32 mm] 1.58 in [40.13 mm] Height 0.495 lbs [224.53 g] Weight

Configuration

Package Type Connectorized Input Connector N Female N Female **Output Connector Coupled Connectors SMA Female**

Environmental Specifications

Temperature

-40 to +80 deg C **Operating Range**

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

RoHS Compliant **REACH Compliant**

12/17/2015

Plotted and Other Data

Notes:

Directional 35 dB N Coupler From 1 GHz to 11 GHz Rated to 600 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 35 dB N Coupler From 1 GHz to 11 GHz Rated to 600 Watts PE2236-35

URL: http://www.pasternack.com/directional-35-db-n-coupler-1-11-ghz-600-watts-pe2236-35-p.aspx

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.



© 2016 Pasternack Enterprises All Rights Reserved

PE2236-35 CAD Drawing

