

WR-137 10 dB Directional Waveguide Broadwall Coupler, UG-344/U Square Cover Flange, E-Plane Coupled Port, 5.85 GHz to 8.2 GHz

TECHNICAL DATA SHEET

The PEWCP1029 is a WR-137 Directional Broadwall waveguide coupler that operates in the frequency range of 5.85 to 8.2 GHz. This Waveguide component has a typical VSWR of 1.05:1. These designs are made of painted copper alloy and incorporate a broad wall configuration that result in a mid-band nominal coupling value of 10, 20, or 30 dB. Common applications for this component would be where power measurements are required within a system for measuring/sampling power or frequency monitoring with minimal signal loss to the main transmission line. Pasternack offers a complete family of waveguide Crossguide and Broadwall couplers that are in-stock and ship same day.

Features

- Broadwall Waveguide Coupler
- 10 dB Nominal Coupling Level
- 5.85 GHz to 8.2 GHz Frequency Range

Applications

- Test Benches
 - Radar
 - Satellite

- Microwave Radio
- Attenuation Measurements
- Power Measurements
- Source Leveling

Body and Flanges made of Copper Alloy

Low VSWR

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

Description	Minimum	Typical	Maximum	Units
Frequency Range	5.85		8.2	GHz
Directivity		40		dB
Insertion Loss		0.15		dB
Main Line VSWR		1.05:1		
Nominal Coupling Level		10		dB
1 0				

Mechanical Specifications

Size		
Length		26.5 in [673.1 mm]
Height		4.62 in [117.35 mm]
Weight		5.51 lbs [2.5 Kg]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-137 10 dB Directional Waveguide Broadwall Coupler, UG-344/U Square Cover Flange, E-Plane Coupled Port, 5.85 GHz to 8.2 GHz PEWCP1029

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





WR-137 10 dB Directional Waveguide Broadwall Coupler, UG-344/U Square Cover Flange, E-Plane Coupled Port, 5.85 GHz to 8.2 GHz

TECHNICAL DATA SHEET

Configuration Design Size			Directional E-Plane Broadwall WR-137			
Description	Input Flang	е	Output Flange	Coupled Flange(s)		
Flange Type	Square Cove	r	Square Cover		Square Cover	
Flange Designation	UG-344/U		UG-344/U		UG-344/U	
Material	Copper Alloy Copper Alloy	Copper Alloy		Copper Alloy		
Plating	Silver		Silver		Silver	
npliance Certifications (v RoHS Compliant REACH Compliant tted and Other Data Notes: • Values at 25 °C, sea level	ISIL WWW.P ASIEITIACK.C		12/17/2015			
Typical Performance Data		VSWR				
1.25		V3VII				
1.20	+					
1.15						
1 10						
1.10						
1.10						
1.05		~				
1.05						
1.05		~		<u></u>		
1.05 1.00 0.95 0.90						
1.05 1.00 0.95						

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-137 10 dB Directional Waveguide Broadwall Coupler, UG-344/U Square Cover Flange, E-Plane Coupled Port, 5.85 GHz to 8.2 GHz PEWCP1029

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



PEWCP1029

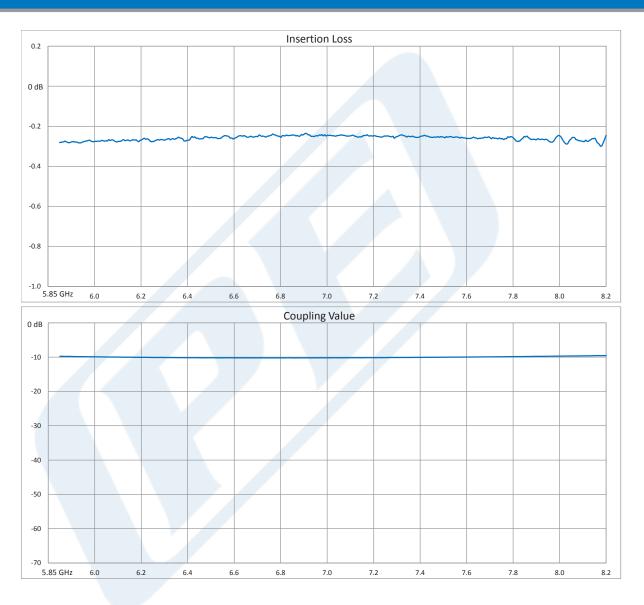




PEWCP1029

WR-137 10 dB Directional Waveguide Broadwall Coupler, UG-344/U Square Cover Flange, E-Plane Coupled Port, 5.85 GHz to 8.2 GHz

TECHNICAL DATA SHEET



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-137 10 dB Directional Waveguide Broadwall Coupler, UG-344/U Square Cover Flange, E-Plane Coupled Port, 5.85 GHz to 8.2 GHz PEWCP1029

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

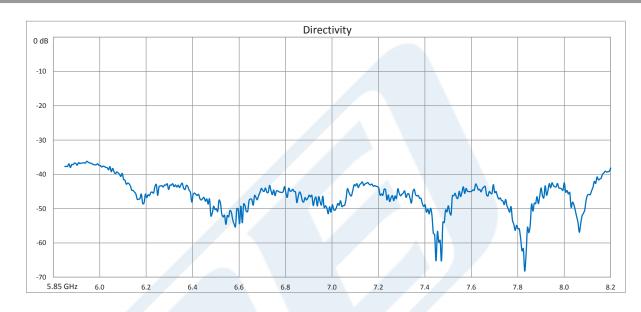




WR-137 10 dB Directional Waveguide Broadwall Coupler, UG-344/U Square Cover Flange, E-Plane Coupled Port, 5.85 GHz to 8.2 GHz

TECHNICAL DATA SHEET

PEWCP1029



WR-137 10 dB Directional Waveguide Broadwall Coupler, UG-344/U Square Cover Flange, E-Plane Coupled Port, 5.85 GHz to 8.2 GHz 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: WR-137 10 dB Directional Waveguide Broadwall Coupler, UG-344/U Square Cover Flange, E-Plane Coupled Port, 5.85 GHz to 8.2 GHz PEWCP1029

URL: http://www.pasternack.com/wr-137-10-db-directional-waveguide-broadwall-coupler-ug344-square-e-pewcp1029-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.

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

PEWCP1029 CAD Drawing

WR-137 10 dB Directional Waveguide Broadwall Coupler, UG-344/U Square Cover Flange, E-Plane Coupled Port, 5.85 GHz to 8.2 GHz

