

PD20-1200WG

WR-12 Waveguide Power Divider

DEVICE OVERVIEW

General Description

Marki Microwave wave power dividers are 1 inch square, made of brass and then gold plated. They provide an equal power split with low insertion loss. When power is applied to the input port it is divided between the two output ports to result in equal power split and in-phase output signals.



Features

- 60 to 90 GHz
- EIA WR-12 compliant waveguide
- UG-387/U flanges
- Equal power division
- In-phase outputs
- 20dB isolation
- 0.5dB power balance

Applications

- 5G
- Communication Systems
- Power Division
- Signal Splitting

Functional Block Diagram

N/A

Part Ordering Options

Part Number	Description	Package	Green Status	Product Lifecycle	Export Classification
PD20-1200WG	WR-12 Waveguide Power Divider	WR-12	REACH RoHS	Released	EAR99

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Revision History

Revision Code	Revision Date	Comment
-	2024-05-01	Initial Release

Specifications

Package Information

Parameter	Details	Rating
Dimensions	-	WR-12

Electrical Specifications

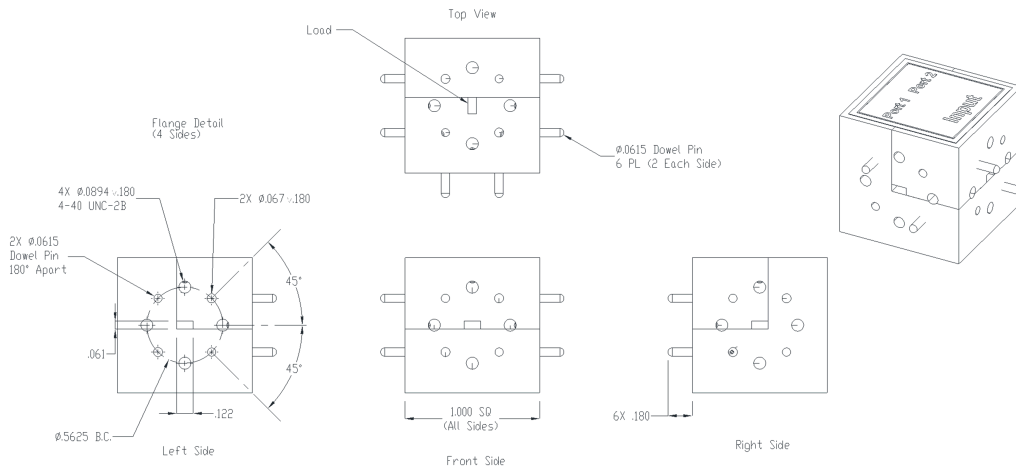
Parameter	Test Conditions	Minimum Frequency (GHz)	Maximum Frequency (GHz)	Min	Typ	Max	Unit
Amplitude Balance	-	60	90	-	0.5	-	dB
Excess Insertion Loss	-	60	90	-	0.5	-	dB
Input VSWR	-	60	90	-	1.6	-	
Isolation ¹	Port 1 to Port 2	60	90	-	20	-	dB
Output VSWR	-	60	90	-	1.5	-	

^[1] Measured between output ports.

Mechanical Data

Outline Drawing

Download : [Outline 2D Drawing](#) | [Outline 3D Drawing](#) | [Outline 3D STP](#)



NOTES: UNLESS OTHERWISE SPECIFIED

1. Housing Material: Half Hard Brass
2. Finish: 100 microinches bright nickel, 10 microinches gold

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