PW4008-430

30-dB Directional Coupler, 8 to 40 GHz

Features

- ✓ Compact size and lightweight
- ✓ Broadband
- ✓ Low insertion loss
- ✓ High directivity
- ✓ Flat coupling ratio
- ✓ Low VSWR

Benefits

- ✓ Commercial off-the-shelf (COTS)

Product Overview

PW4008-430 is a high-performance Directional Coupler. It features excellent insertion loss and directivity from 8 to 40 GHz.

The isolation port is plugged with a 50Ω termination.

Related Products

Part Number	Description
PW4008-403	Quadrature Hybrid, 8 to 40 GHz
PW4008-410	10-dB Directional Coupler, 8 to 40 GHz
PW4008-420	20-dB Directional Coupler, 8 to 40 GHz
PW4010-101	Quad-Ridged Horn Antenna, 10-40 GHz
PW1040-400	L+S-Band Bias Tee

Electrical Specifications

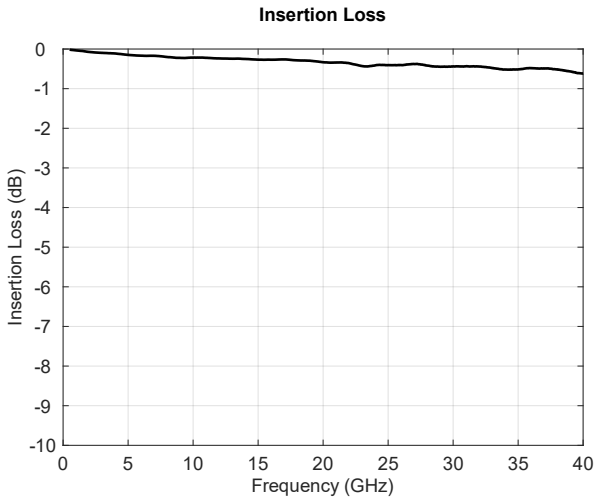
Parameter / Condition	Min	Typ	Max	Unit
Operating Frequency	8		40	GHz
VSWR			1.5:1	
Insertion Loss		0.5	1	dB
Directivity	13			dB
Coupling	29	30	32	dB

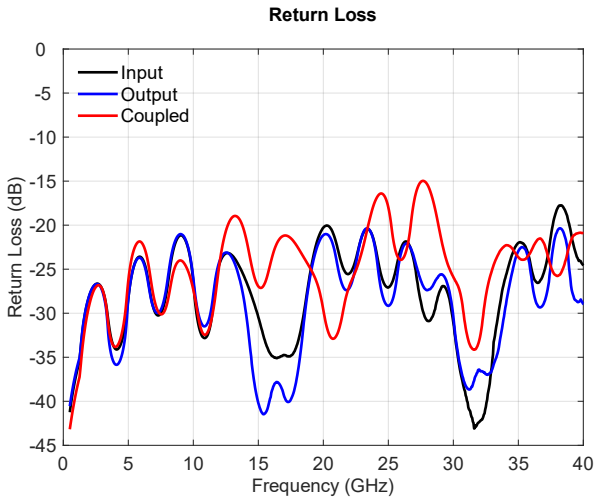
Mechanical Specifications

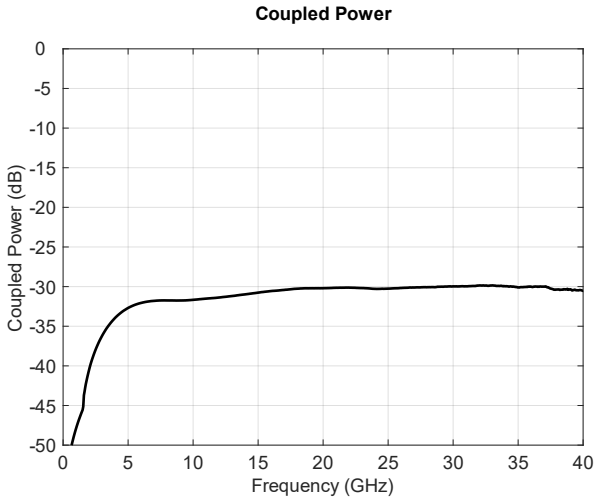
Parameter / Condition	Value	Unit	Limits
Connector	2.92 mm Female		
Mass	30	g	Max

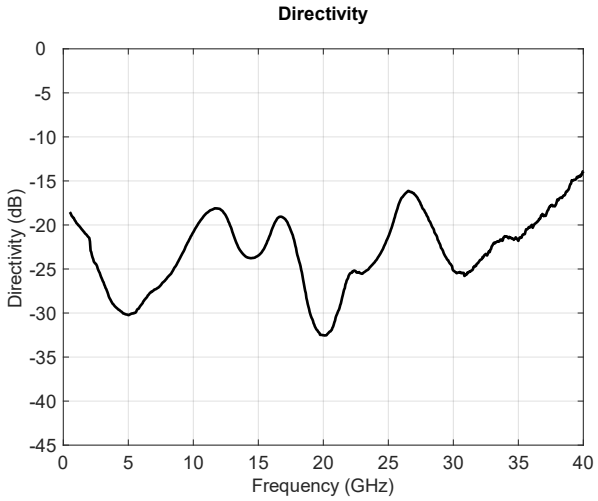
Environmental Specifications

Parameter / Condition	Min	Typ	Max	Unit
Operating Temperature	-40		85	°C
Storage Temperature	-70		100	°C

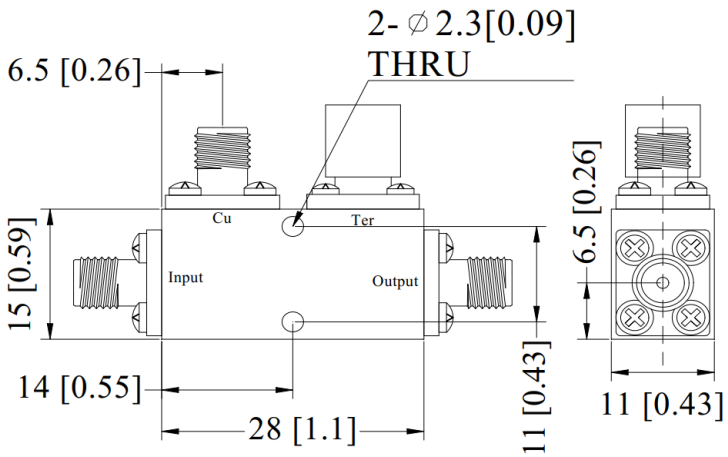








Mechanical Outline



Dimensions shown in inches [millimeters]
Tolerances in millimeters - Integer: ±3, One Place Decimal: ±0.1, Two Place Decimal: ±0.05

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