

PW4008-403

Quadrature Hybrid, 8 to 40 GHz

Features

- ✓ Compact size and lightweight
- ✓ Broadband
- ✓ Excellent amplitude and phase balance
- ✓ High isolation
- ✓ Low VSWR

Benefits

- ✓ Commercial off-the-shelf (COTS)

Product Overview

PW4008-403 is a high-performance Quadrature (90°) Hybrid. It features excellent insertion loss, isolation and amplitude/phase balance from 8 to 40 GHz.



Related Products

Part Number	Description
PW4008-410	10-dB Directional Coupler, 8 to 40 GHz
PW4008-420	20-dB Directional Coupler, 8 to 40 GHz
PW4008-430	30-dB Directional Coupler, 8 to 40 GHz
PW4010-101	Quad-Ridged Horn Antenna, 10-40 GHz
PW1040-400	L+S-Band Bias Tee

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Electrical Specifications

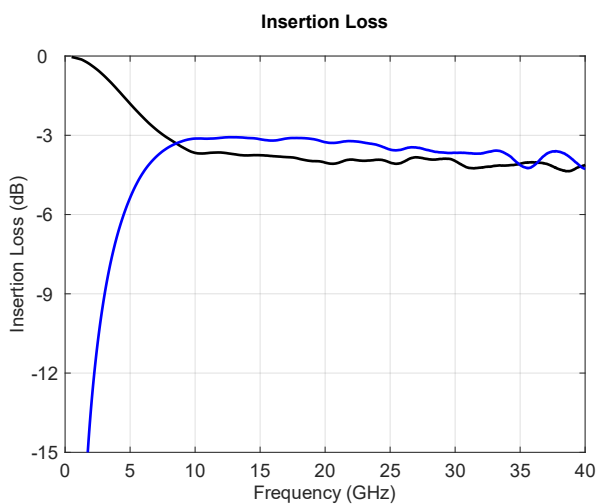
Parameter / Condition	Min	Typ	Max	Unit
Operating Frequency	8		40	GHz
VSWR			1.5:1	
Excess Through Line Insertion Loss		1	2	dB
Isolation	12			dB
Amplitude Balance		0.4	1	dB
Phase Balance		4	8	°

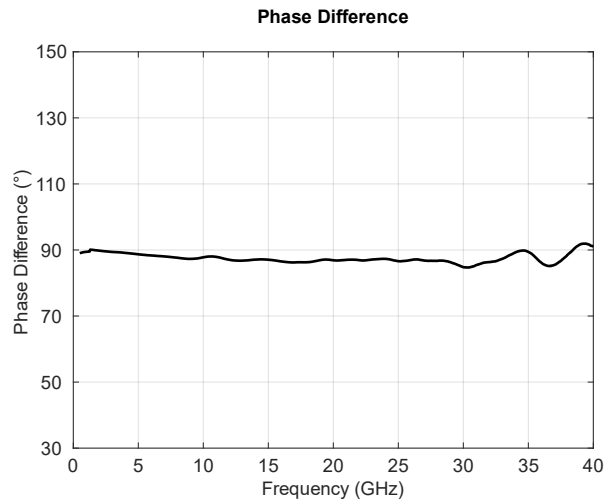
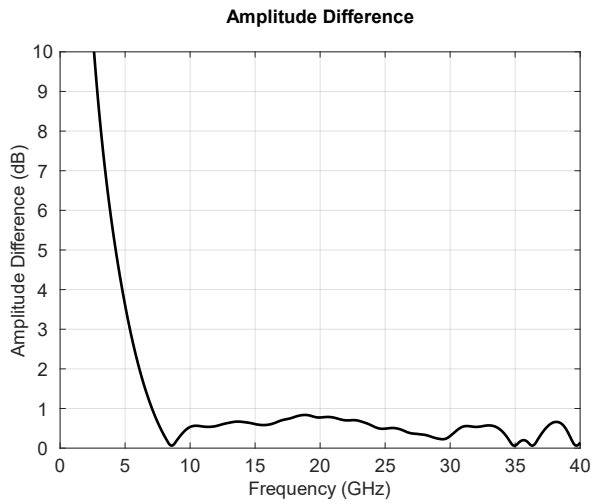
Mechanical Specifications

Parameter / Condition	Value	Unit	Limits
Connector	2.92 mm Female		
Mass	25	g	Max

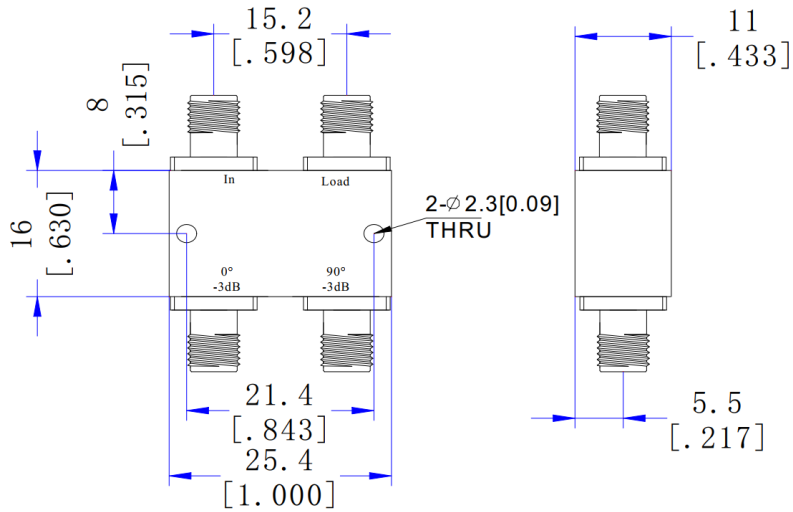
Environmental Specifications

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

Contact PlaneWave, Inc.

6925 Canby Ave, Ste 110
Reseda, CA 91335

www.planewaveinc.com
sales@planewaveinc.com