

PW4010-101

Quad-Ridged Horn Antenna, 10-40 GHz

Features

- ✓ Broadband
- ✓ Dual polarization
- ✓ Excellent port to port isolation
- ✓ Extremely durable
- ✓ Manufactured using a high grade aluminum alloy

Benefits

- ✓ Commercial off-the-shelf (COTS)
- ✓ Customization available



Product Overview

PW4010-100 is a quad-ridged horn antenna that combines small size with high accuracy. It operates from 10 to 40 GHz with two 2.92 mm connectors.

This antenna is a perfect choice for a variety of RF laboratory applications, including antenna ranges, emerging wireless technology link setups and more.

Related Products

Part Number	Description
PW4018-100	Dual-Ridged Horn Antenna, 18-40 GHz
PW3017-100	K-Ka-Band Dual-Port (RHCP+LHCP) Waveguide Probe
PW3017-115	K-Ka-Band Dual-Port (RHCP+LHCP) Horn Antenna, 15 dB
PW3017-120	K-Ka-Band Dual-Port (RHCP+LHCP) Horn Antenna, 20 dB

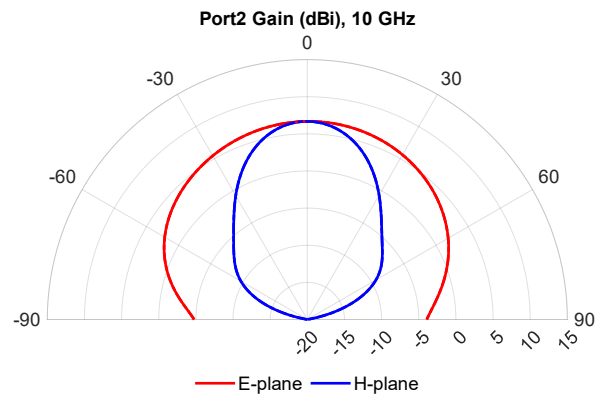
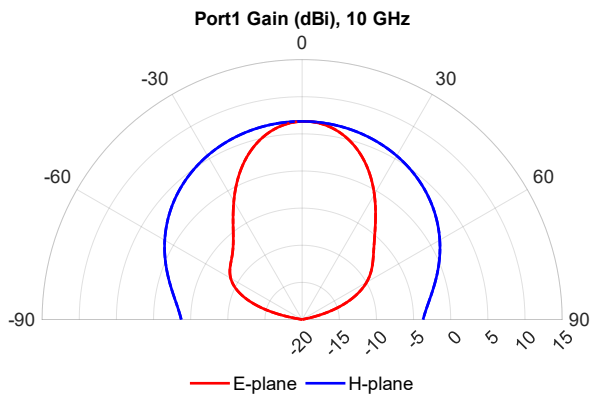
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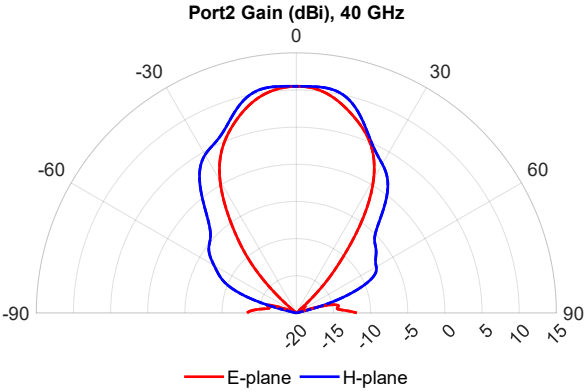
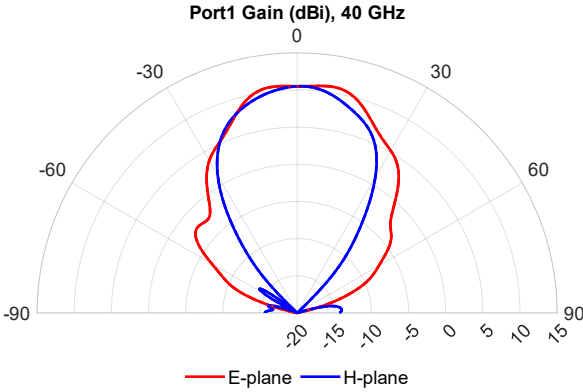
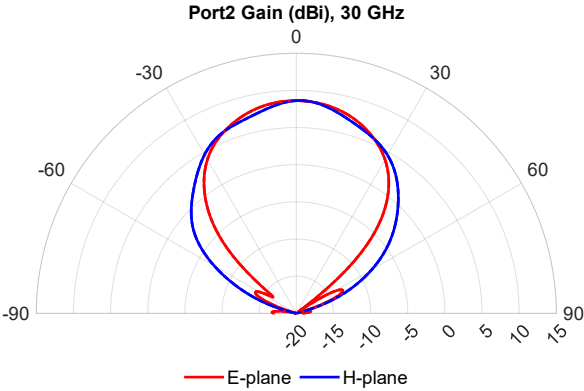
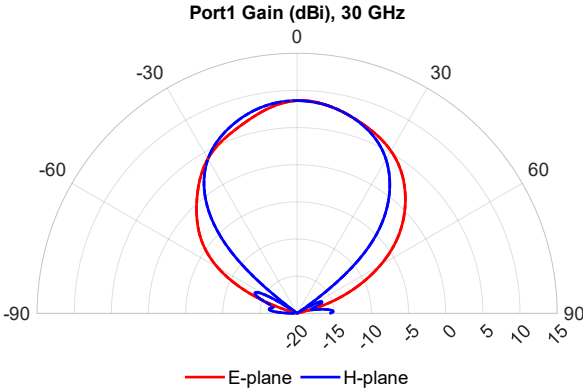
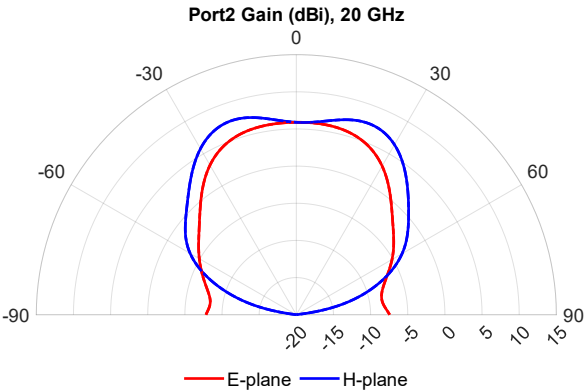
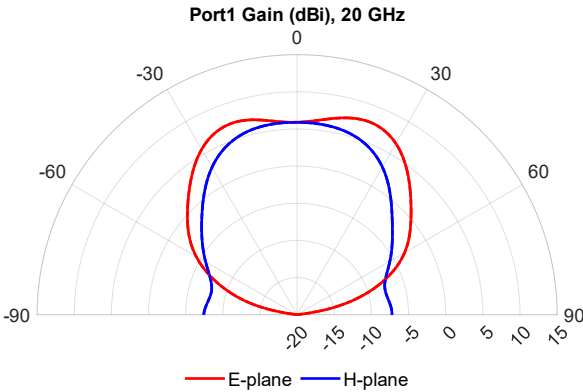
Electrical Specifications

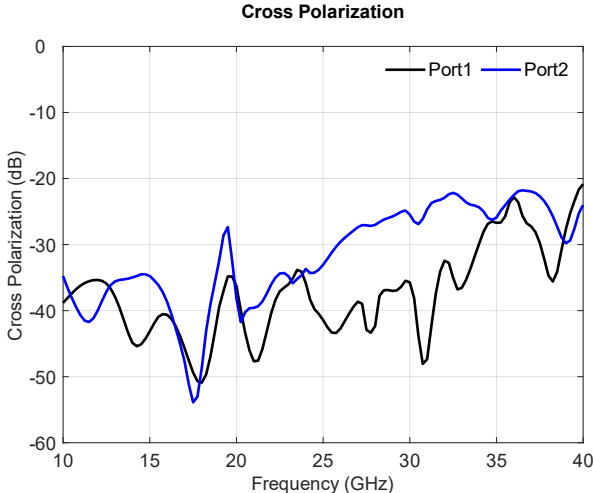
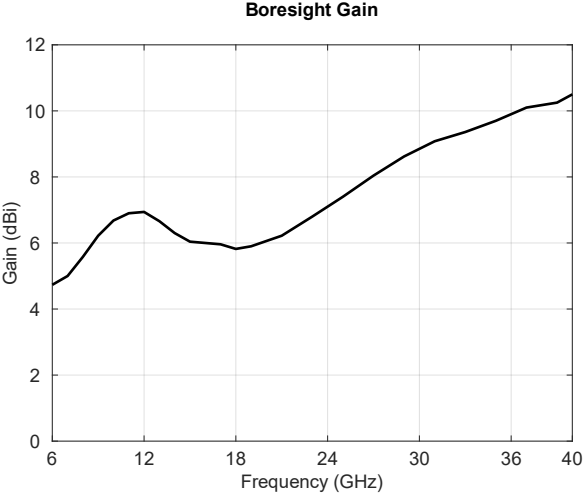
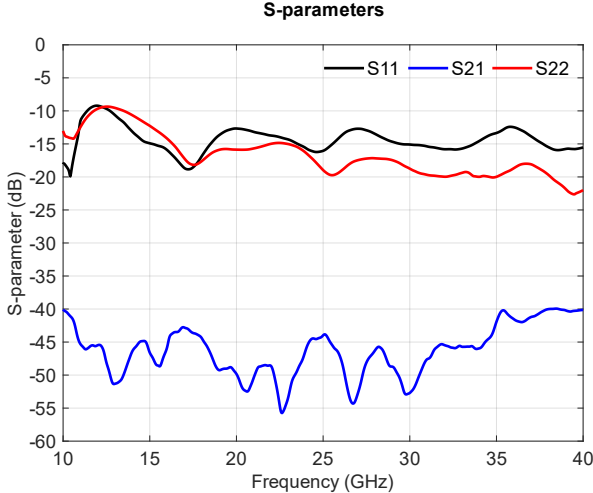
Parameter / Condition	Min	Typ	Max	Unit
Operating Frequency	10		40	GHz
Polarization	Dual-Linear			
VSWR			2:1	
Gain	3		11	dBi
Power Handling (CW)			10	W
Operating Temperature	-40		85	°C

Mechanical Specifications

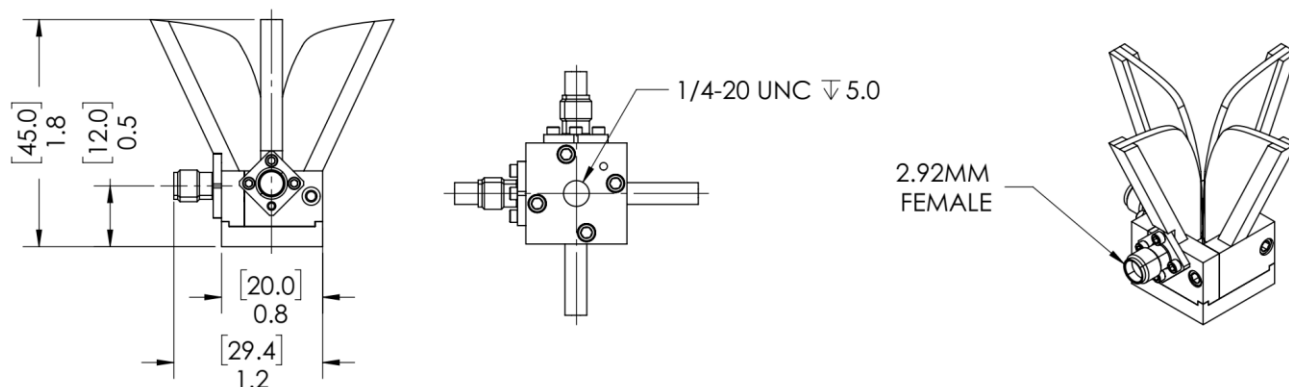
Parameter / Condition	Value	Unit	Limits
Connector	2.92 mm Female		
Mass	45	g	Max







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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