

PW4018-100

Dual-Ridged Horn Antenna, 18-40 GHz

Features

- ✓ Broadband
- ✓ Extremely durable
- ✓ Manufactured using a high grade aluminum alloy

Benefits

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



Product Overview

PW4018-100 is a dual-ridged horn antenna that combines small size with high accuracy. It operates from 18 to 40 GHz with a single 2.92 mm connector.

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
PW4010-101	Quad-Ridged Horn Antenna, 10-40 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

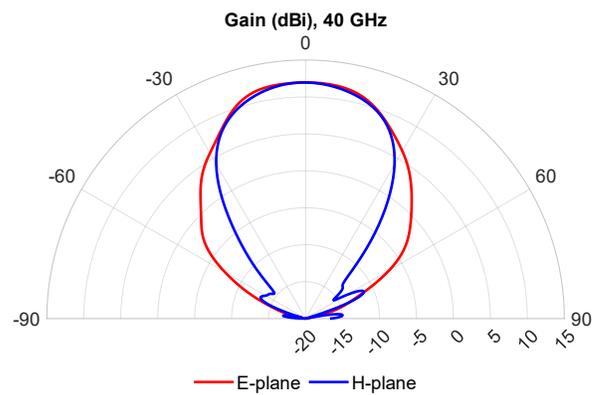
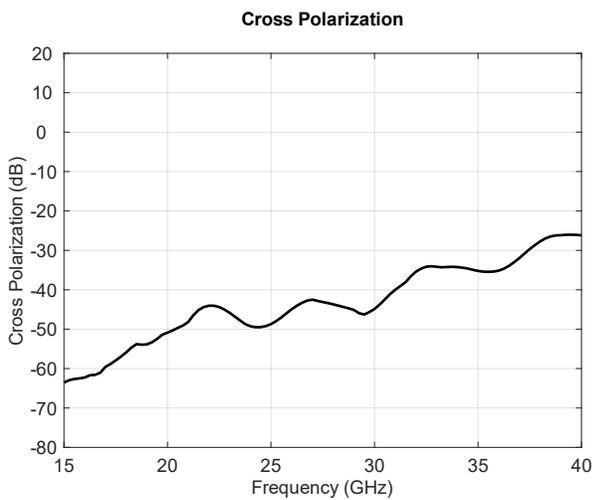
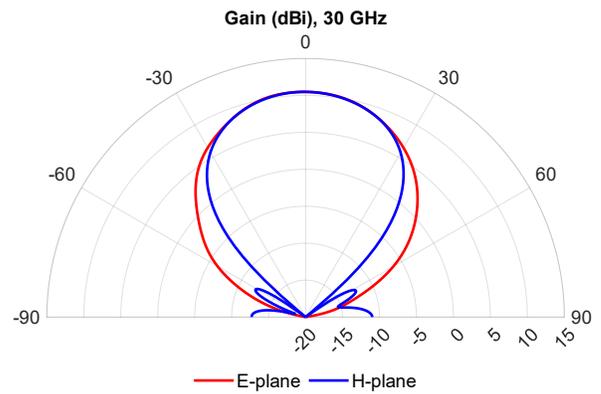
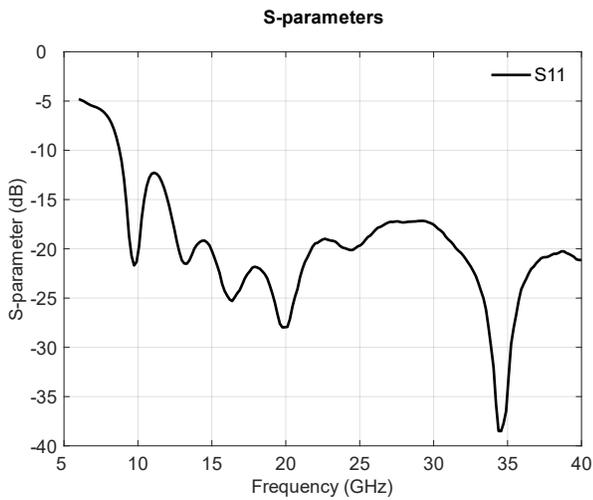
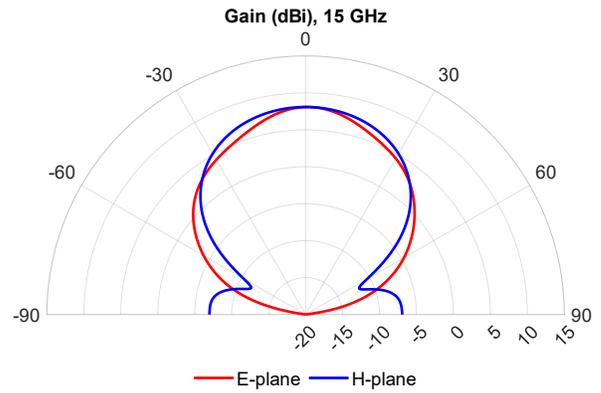
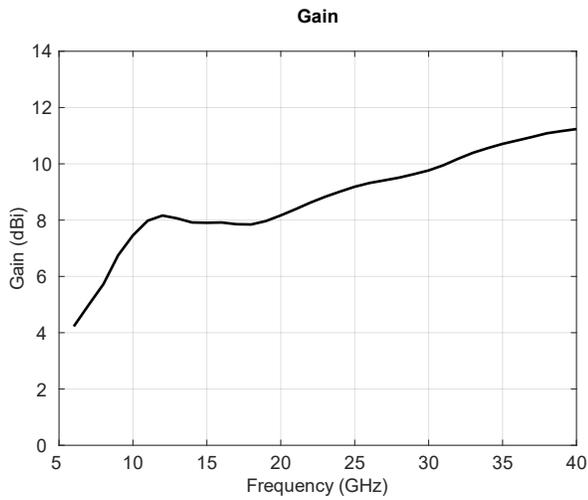
Information furnished by PlaneWave, Inc. is believed to be accurate and reliable. However, no responsibility is assumed by PlaneWave for its use, nor for any infringements of patents or other rights of third parties that may result from its use.

Electrical Specifications

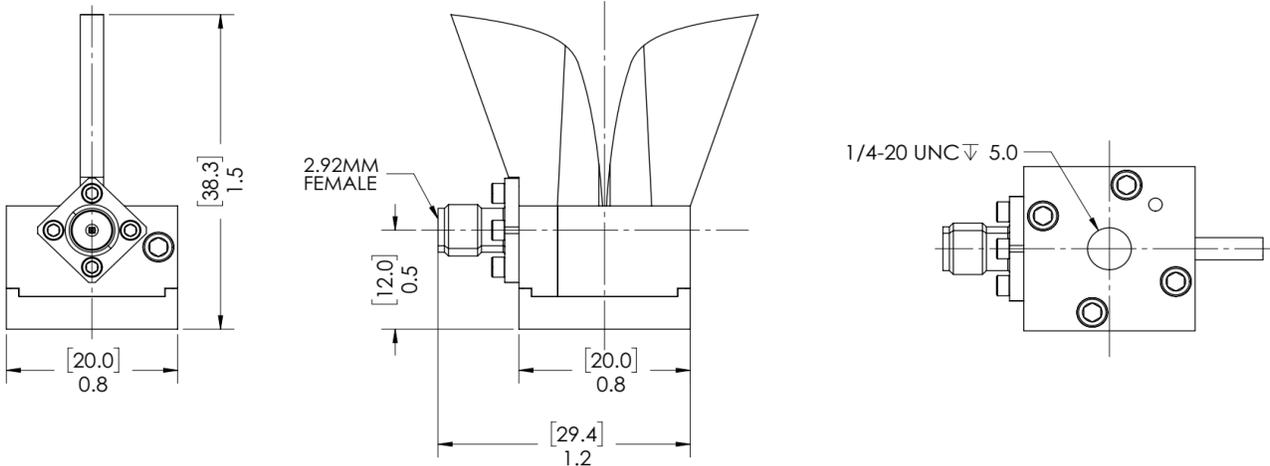
Parameter / Condition	Min	Typ	Max	Unit
Operating Frequency	18		40	GHz
Polarization		Linear		
VSWR			2:1	
Gain	8		12	dBi
Power Handling (CW)			10	W
Operating Temperature	-40		85	°C

Mechanical Specifications

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



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