

PW3017-120

K-Ka-Band Dual-Port (RHCP+LHCP) Horn Antenna, 20 dB

Features

- ✓ Broadband
- ✓ Shared aperture with separate RHCP and LHCP ports
- ✓ Excellent port to port isolation
- ✓ Extremely durable

Benefits

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



Product Overview

The PW3017-120 is a compact, high-accuracy horn antenna designed for versatile performance. It features two 2.92mm connectors, one for RHCP polarization and the other for LHCP. With broadband operation across both ports from 17 to 30 GHz, this antenna is ideal for use on either side of a SATCOM link: space or ground.

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
PW3017-100	K-Ka-Band Dual-Port (RHCP+LHCP) Waveguide Probe
PW3017-115	K-Ka-Band Dual-Port (RHCP+LHCP) Horn Antenna, 15 dB
PW4018-100	Dual-Ridged Horn Antenna, 18-40 GHz
PW4010-101	Quad-Ridged Horn Antenna, 10-40 GHz

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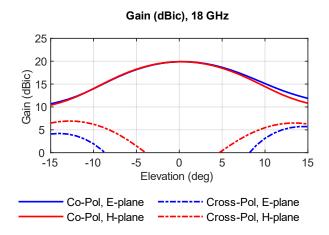


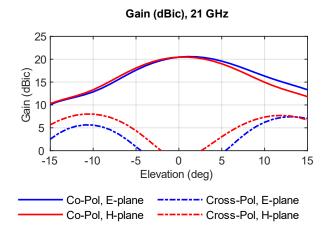
Electrical Specifications

Parameter / Condition	Min	Тур	Мах	Unit
Operating Frequency	17		30	GHz
Polarization		RHCP/LHCP		
VSWR			2:1	
Gain	19	20	21	dBic
Power Handling (CW)			10	W
Operating Temperature	-40		85	°C

Mechanical Specifications

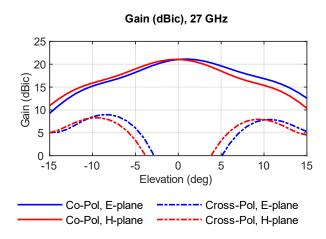
Parameter / Condition	Value	Unit	Limits
Connector	2.92 mm Female		
Mass	250	9	Max

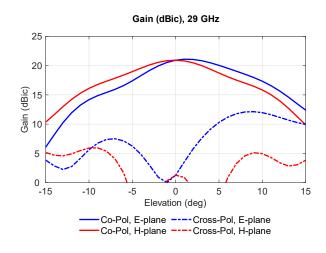


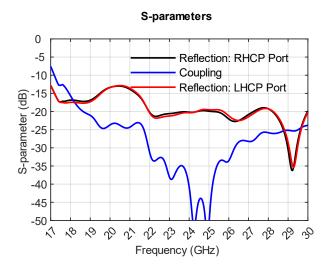


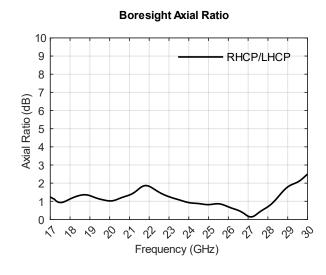
PW3017-120

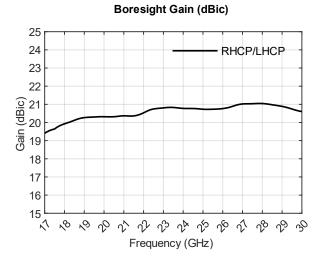






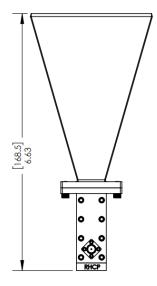


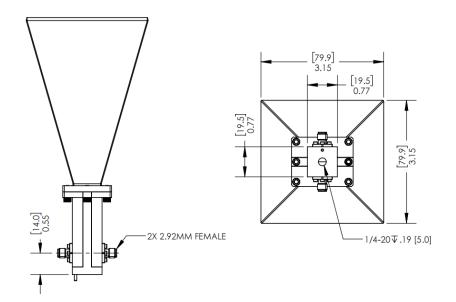






Mechanical Outline





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