PASTERNACK
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0.141 Inch Circular Waveguide Scalar Feed Horn Antenna, 58 GHz to 68 GHz Frequency Range, 17 dBi Gain, UG-385/U-Mod Flange

Features

- 0.315” Diameter Circular Waveguide Interface
- Precisely Machined
- Low Sidelobe Level
- High Return Loss
- Linear and Circular Polarization

Applications

- Feed Horn for Gaussian Optical Antennas
- Feed Horn for Cassegrain Antennas
- Rapid System Setups
- Engineering Setups

Description

Pasternack’s PEWAN1118 is a V band scalar feed horn antenna that operates in the frequency range of 58 GHz to 68 GHz. The scalar feed horn antenna offers a 17 dBi nominal gain, 25 degrees typical half power beamwidth, and -28.5 dB typical side lobe levels. PEWAN1118 features a 0.141” diameter circular waveguide with UG-385/U-M flange that supports both linear and circular polarization.

Configuration

Polarization	Linear/Circular

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	58		68	GHz
Nominal Gain		17		dBi
Horizontal Half Power Beam Width		25		Degrees
Vertical Half Power Beam Width		25		Degrees
VSWR		1.2:1		

Mechanical Specifications

Size

Length	2 in [50.8 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.106 lbs [48.08 g]
Flange Designation	UG-385/U-Mod
Body Material and Plating	Aluminum, Gold

Environmental Specifications

Temperature

Operating Range	-40 to 85 deg C

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 0.141 Inch Circular Waveguide Scalar Feed Horn Antenna, 58 GHz to 68 GHz Frequency Range, 17 dBi Gain, UG-385/U-Mod Flange PEWAN1118

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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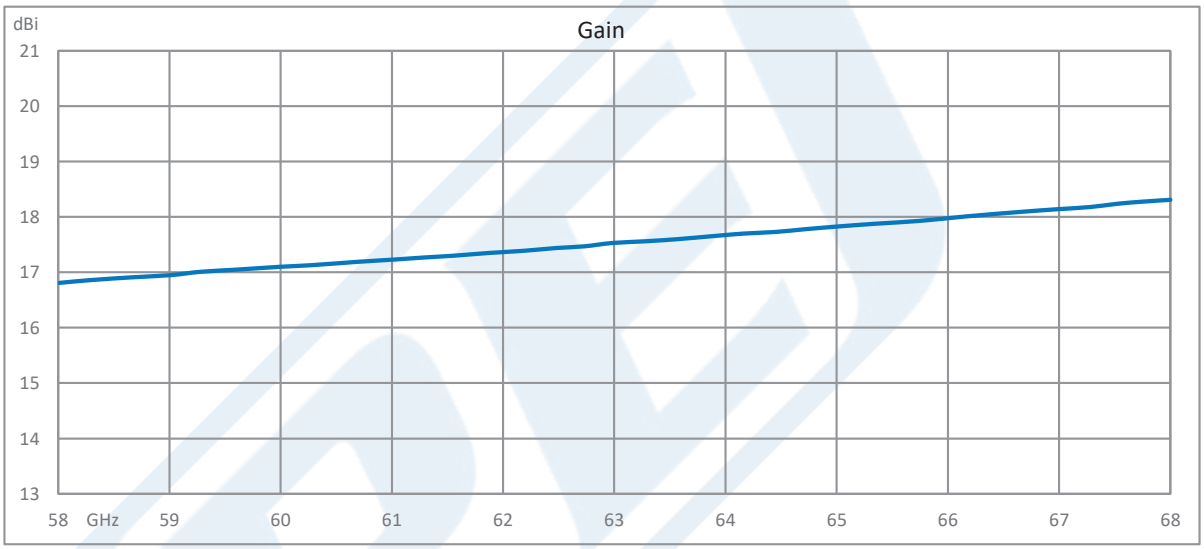


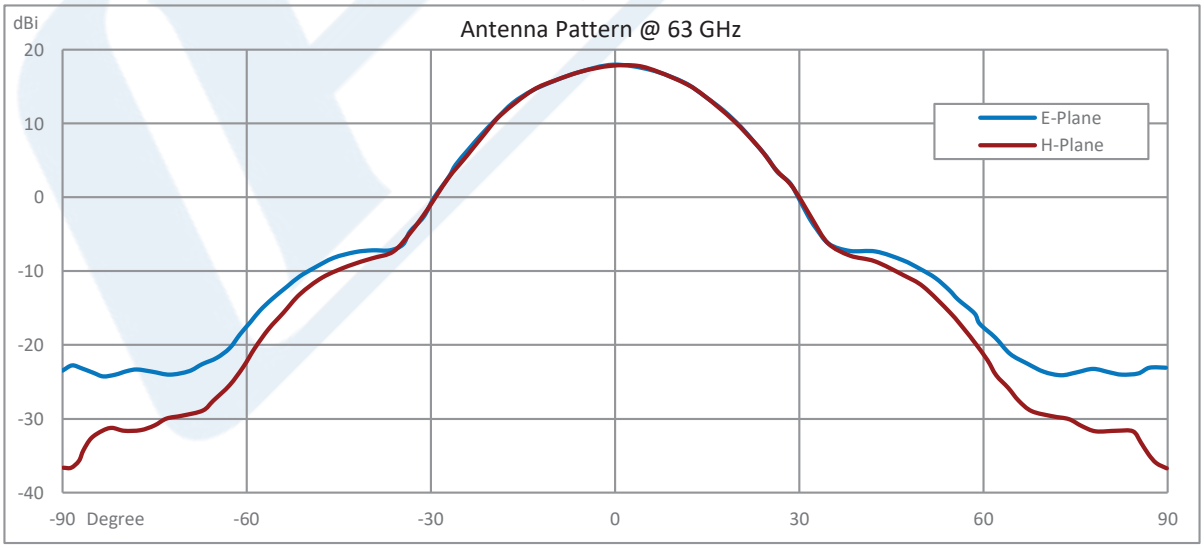
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Compliance Certifications (see product page for current document)

Plotted and Other Data

Typical Performance Data





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Waveguide Antennas Technical Data Sheet PEWAN1118

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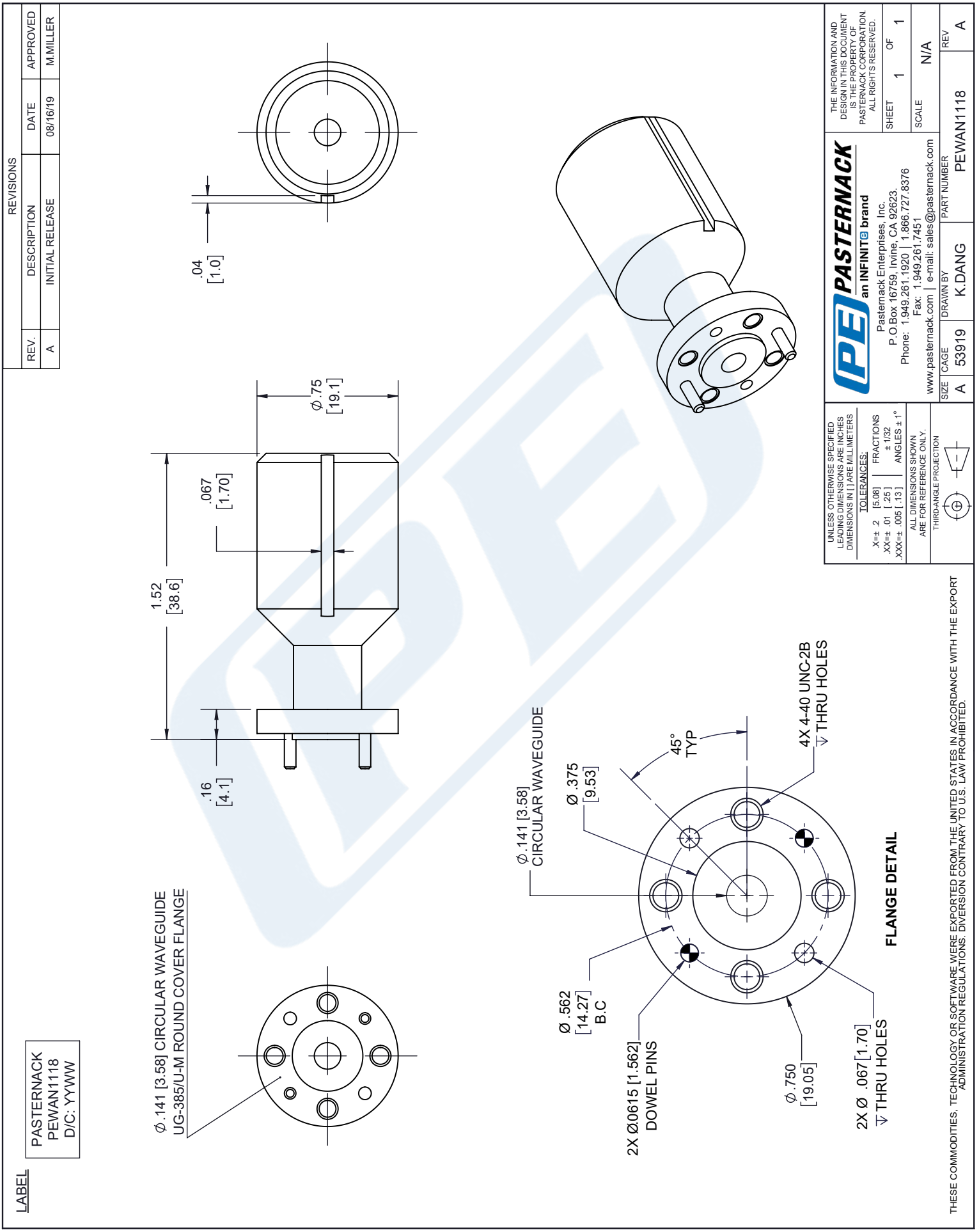
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PEWAN1118 CAD Drawing

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