



WR-15 Waveguide Horn Antenna Operating From  
 50 GHz to 75 GHz With a Nominal 20 dBi Gain  
 With UG-385/U Round Cover Flange

Specialty Waveguide Antennas Technical Data Sheet

PE9881A-20

**Configuration**

Design	WR-15 Standard Gain Horn
Pattern	Directional
Flange	UG-385/U Round Cover

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	50		75	GHz
Gain			20	dBi
Horizontal 3dB Beam Width		20		Degrees

**Mechanical Specifications**

**Size**

Length	1.81 in [45.97 mm]
Width	1.07 in [27.18 mm]
Height	1.07 in [27.18 mm]
Weight	0.073 lbs [33.11 g]

**Interface**

Flange Type	Round Cover
Flange Designation	UG-385/U

**Environmental Specifications**

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-15 Waveguide Horn Antenna Operating From 50 GHz to 75 GHz With a Nominal 20 dBi Gain With UG-385/U Round Cover Flange PE9881A-20](#)





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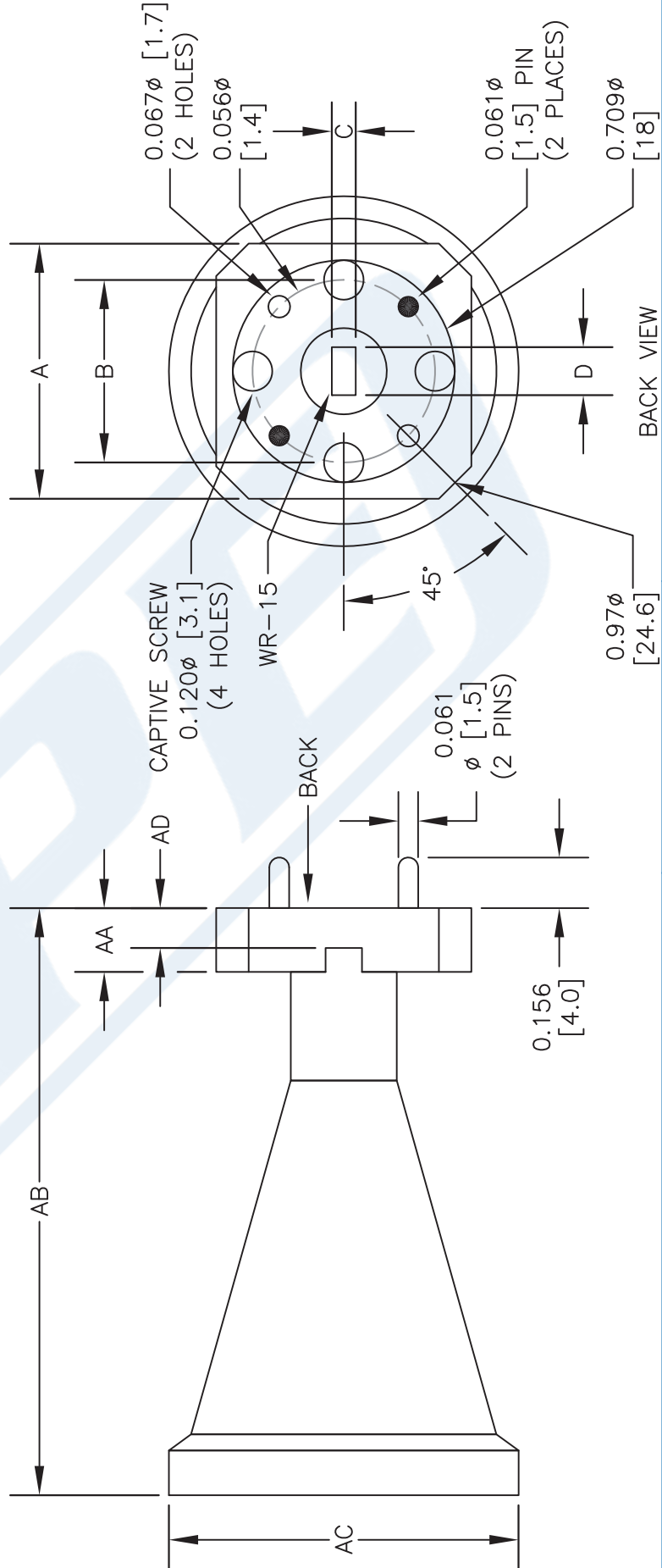
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# PE9881A-20 CAD Drawing

WR-15 Waveguide Horn Antenna Operating From 50 GHz to 75 GHz  
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WR-15		Dimension	Inches	mm
A			0.800	20.32
B			0.563	14.30
C			0.095	2.41
D			0.163	4.14

AA	0.275	6.99
AB	1.811	46.00
AC	1.079	27.41
AD	0.197	5.00



NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE  
**PE9881A-20**

CAGE CODE 53919

CAD FILE 020617

SCALE N/A

SIZE A

2233

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