



V-Band Spot-Focusing Lens Antenna, 60 GHz

Description:

Model SAQ-603071-15-S1 is a V-band, spot-focusing lens antenna that delivers a spot size of 0.80" at a focal length of 7.09". The antenna employs a low loss lens to offer excellent aperture efficiency at 60 GHz. The lens antenna is equipped with a standard WR-15 waveguide and UG-385/U flange as its input port. It supports linear polarized waveforms.



Features:

- Rugged Mechanical Configuration
- Light Weight
- High Efficiency and Low loss

Applications:

- Material Property Measurement Systems

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency		60 GHz	
Focal Length		7.09"	
Spot Size		0.80"	
Polarization		Linear	

Mechanical Specifications:

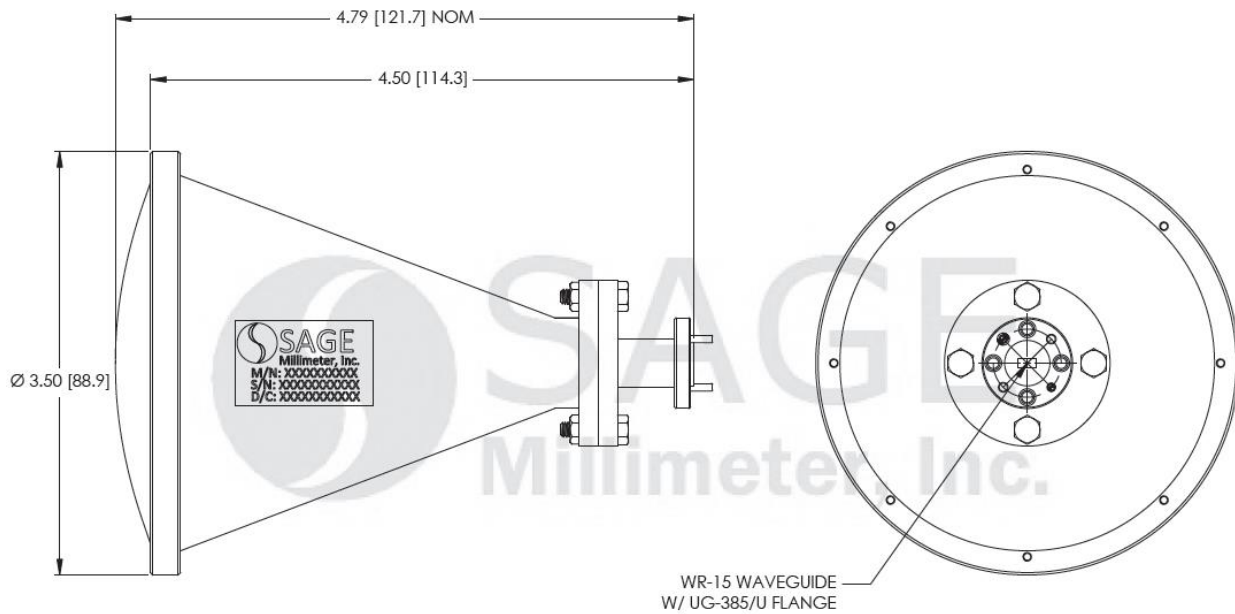
Item	Specification
Antenna Port	WR-15 Waveguide with UG-385/U Flange
Lens Diameter	3.0"
Dimensions	4.79" (L) x 3.50" (Ø)
Horn Material	Aluminum
Finish	Gold Plated
Weight	9.7 Oz
Outline	AQ-RV-3.0





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Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



Note:

- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

- Foreign objects in the waveguide will affect the antenna performance and may damage the antenna.

