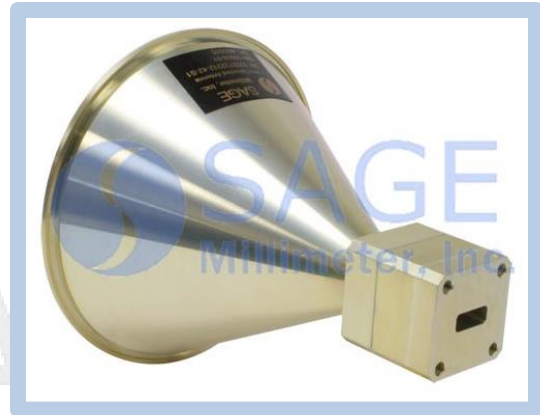




K-Band Lens Corrected Antenna

Description:

Model SAL-2232732212-42-S1 is a K-band lens corrected antenna that operates from 22 to 26.5 GHz. At center frequency, the antenna delivers 22 dBi nominal gain and 12 degrees typical half power beamwidth. The antenna employs a low loss lens to offer excellent aperture efficiency and low sidelobe levels. The lens corrected antenna is equipped with a WR-42 waveguide and UG-595/U flange as its input port. It supports linear polarized waveforms.



Features:

- Center Fed
- Low Sidelobes
- Low Cross Polarization

Applications:

- Radar Systems
- Communication Systems
- Sensor Systems

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	22.0 GHz		26.5 GHz
Gain		22 dB	
3 dB Beamwidth		12°	
Sidelobe Level			-20 dB
Polarization		Linear	
Return Loss		20 dB	

Mechanical Specifications:

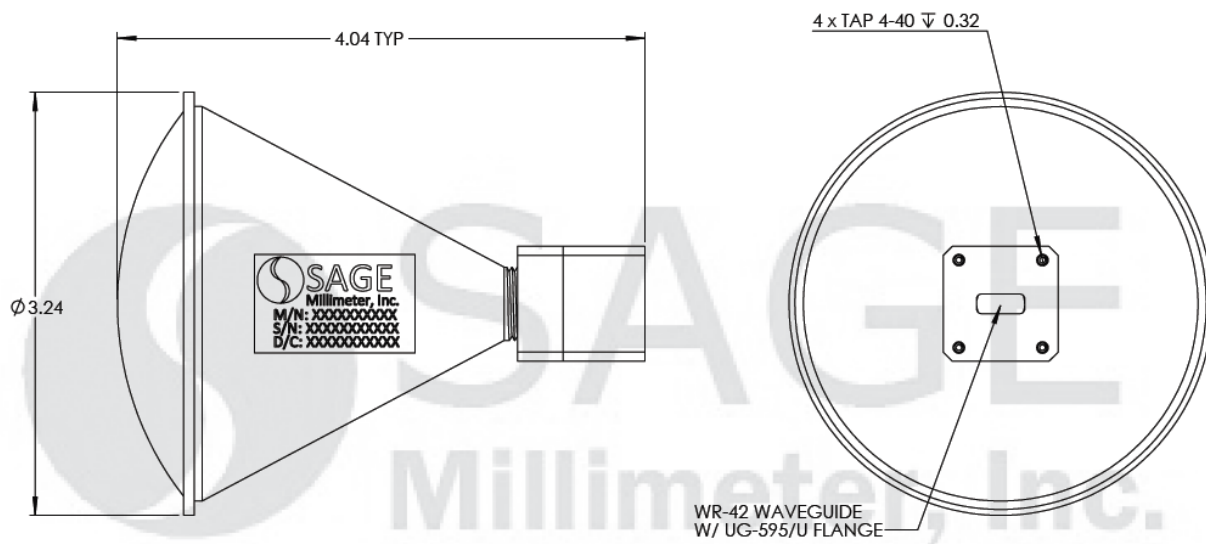
Item	Specification
Antenna Port	WR-42 rectangular waveguide and UG-595/U Flange
Lens Diameter	2.95"
Dimensions	3.24" (Ø) x 4.04" (L)
Material	Aluminum
Finish	Chem Film
Weight	3.7 Oz
Outline	AL-RK22

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



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K-Band Lens Corrected Antenna



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.

