



## Ka-Band Lens Corrected Antenna

### Description:

**Model SAL-3333732212-28-S1** is a Ka-band lens corrected antenna that operates from 33 to 37 GHz. At a center frequency of 35 GHz, 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-28 waveguide and UG-599/U flange as its input port. It supports linear polarized waveforms.



### Features:

- Center Fed
- Low Side Lobes
- Low Cross Polarization

### Applications:

- Radar Systems
- Communication Systems
- Sensor Systems

### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	33 GHz	35 GHz	37 GHz
Gain		22 dB	
3 dB Beamwidth		12°	
Sidelobe Level		-20 dB	
Polarization		Linear	
Return Loss		-25 dB	

### Mechanical Specifications:

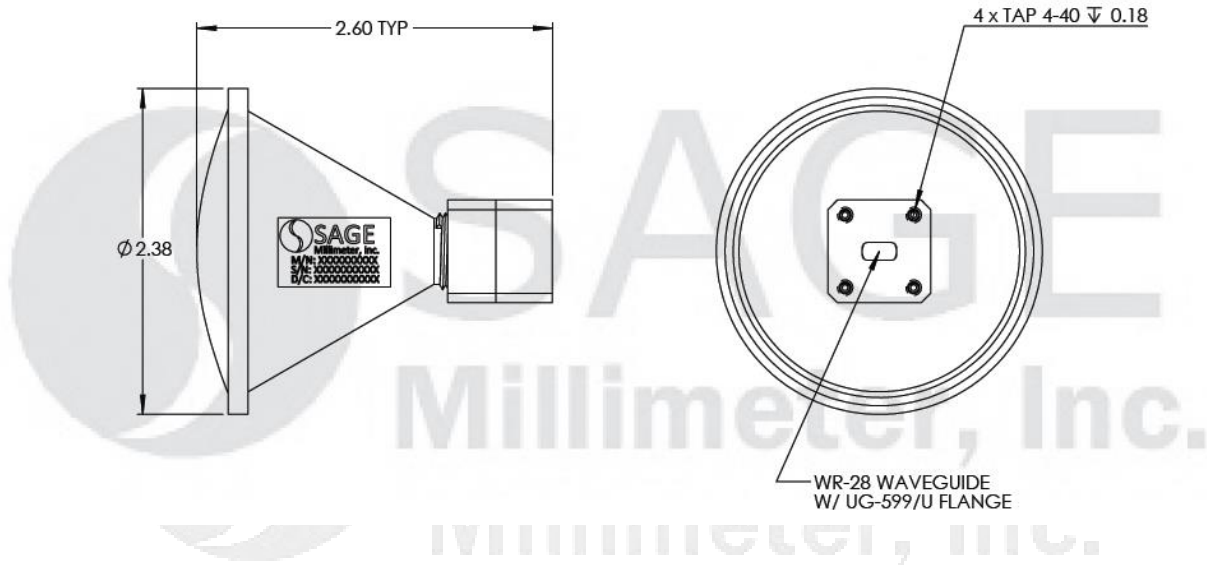
Item	Specification
Antenna Port	WR-28 Rectangular Waveguide with UG-599/U-M Flange
Lens Diameter	2.10"
Dimensions	2.38" (Ø) x 2.60" (L)
Material	Aluminum
Finish	Chem Film
Weight	2.0 Oz
Outline	AL-RA22

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



www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505  
 Phone: 424-757-0168 | Fax: 424-757-0188 | Email: sales@sagemillimeter.com

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**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.

