

Waveguide Highpass Filter, Ka Band, 35.3 GHz

Description:

Model SWF-35335325-28-H1 is a Ka band waveguide highpass filter with a passband frequency of 35.3 GHz and higher and a rejection frequency from DC to 34.55 GHz. The filter provides a nominal insertion loss of 3 dB across its passband and a typical rejection of 25 dB. Since the low end cutoff frequency can be changed by modifying the design, custom designs can be offered under different model numbers.



Features:

- Low Cost
- Low Insertion Loss
- High Rejection

Applications:

- Communication Systems
- Radar Systems
- Sub-assemblies

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Passband Frequency	35.3 GHz		
Passband Insertion Loss		3 dB	
Rejection Frequency	DC		34.55 GHz
Rejection		25 dB	
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

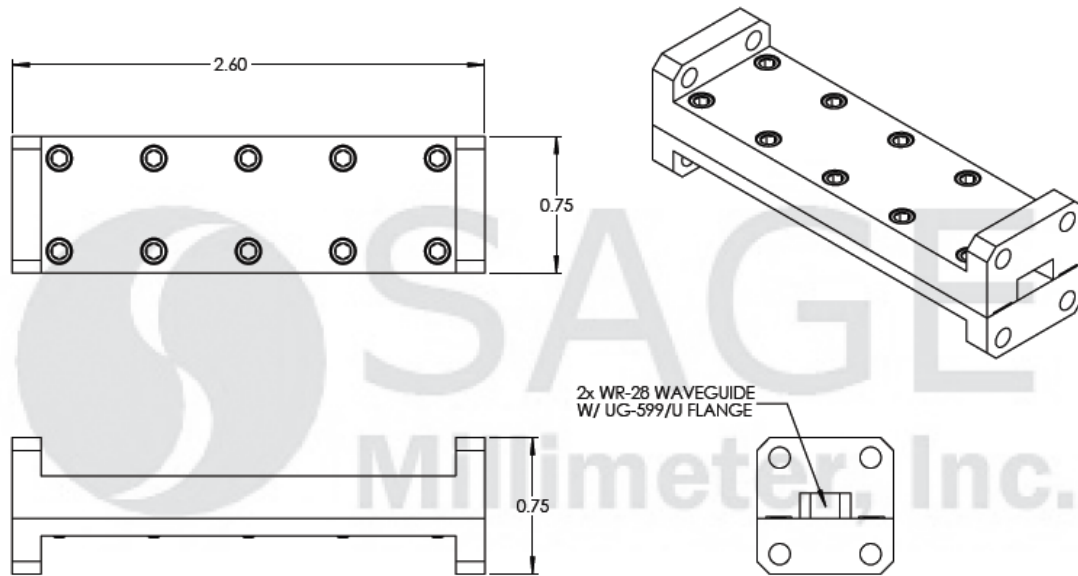
Mechanical Specifications:

Item	Specification
Waveguide	WR-28 with UG-599/U Flange
Size	2.60" (L) X 0.75" (W) x 0.75" (H)
Material	Brass
Finish	Gold Plated
Weight	3.0 Oz
Outline	WF-HA



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



Note:

- All data are presented by using a limited sample lot. Actual data may vary unit to unit.
- All testing was performed under +25 °C case temperature.
- Eravant reserves the right to change the information presented without notice.

Caution:

- Any foreign objects in the waveguide will degrade performance and/or damage the device.