

Waveguide Highpass Filter, D Band, 134 GHz

Description:

Model SWF-13413450-06-H1 is a D band waveguide highpass filter with a passband frequency of 134 GHz and higher and a rejection frequency from DC to 130 GHz. The filter provides a nominal insertion loss of 2.5 dB in its passband and a typical rejection of 50 dB at 130 GHz and below. Because the passband frequency can be set by modifying the design, other highpass filters with various passband are 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	134 GHz		>200 GHz
Passband Insertion Loss		2.5 dB	
Rejection Frequency	DC		130 GHz
Rejection		50 dB	
Power Handling			100 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

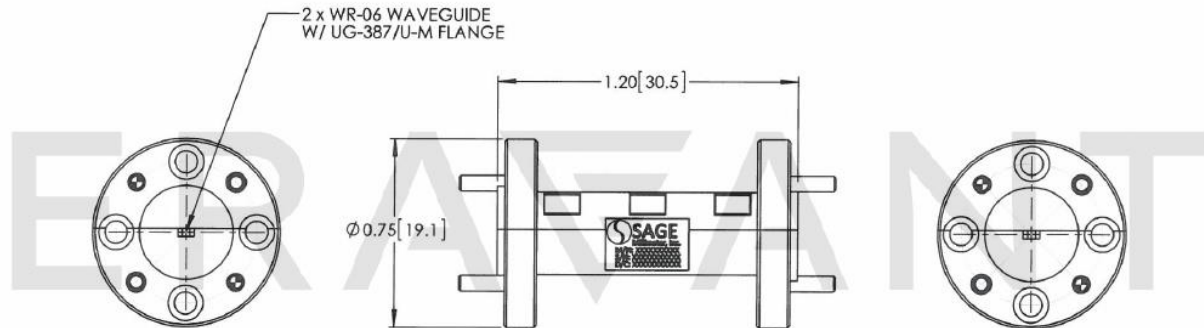
Mechanical Specifications:

Item	Specification
RF Ports	WR-06 with UG-387/U-M Flange
Material	Aluminum
Finish	Gold Plated
Weight	0.4 Oz
Size	1.20" (L) X 0.75" (Ø)
Outline	WF-HD



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



Note:

- Eravant reserves the right to change the information presented without notice.

Caution:

- Any foreign objects in the waveguide will cause performance degradation and possible device damage.

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