SWF-14415450-08-L1

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Mechanical Specifications:

Item	Specification
Waveguide Port	WR-08
Flange	UG-387/U-M Anti-Cocking
Material	Brass
Finish	Gold Plated
Weight	3.0 oz.
Outline	WF-LF-A-1.6

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Parameter	Minimum	Typical	Maximum
Passband Frequency	90 GHz		140 GHz
Passband Insertion Loss		1.6 dB	
Passband Return Loss		15 dB	
Rejection Frequency, Low Side	DC		76 GHz
Rejection Frequency, High Side	148 GHz		200 GHz
Rejection		50 dB	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Electrical Specifications:		

Waveguide Lowpass Filter, F Band, 90 to 140 GHz, 148 to 200 GHz Rejection

SWF-14415450-08-L1 is a F band waveguide lowpass filter with a passband frequency from 90 to 140 GHz and a rejection frequency from 148 to 200 GHz. The nominal insertion loss of the filter is 1.6 dB and the typical rejection is 50 dB. Since the high-end cutoff frequency can be changed by modifying the design, custom designs can be offered under different model numbers.

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ECCN EAR99

FEATURES

- Low Insertion Loss
- High Rejection

APPLICATIONS

- Communication Systems
- Radar Systems
- Sub-assemblies

SUPPLEMENTAL DETAILS



Final Rev 1.0

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Typical Measured Performance vs Frequency

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



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NOTE:

- All data presented is collected from a sample lot. Actual data may vary unit to unit, slightly.
- 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 cause performance degradation and may damage or destroy the unit.

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