Suzhou Talent Microwave,Inc
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Waveguide Bandpass Filter

WR-12/79.49 GHz

Model: TLBF-79G49-800M-35

TLBF-79G49-800M-35 is a waveguide bandpass filter with a passband center frequency @79.49GHz and a rejection frequency from DC to 78 GHz and 80.8 to 90GHz.The passband width is 800MHz, and nominal insertion loss of the filter is 3.0 dB and the typical rejection is 35 dB.

Features:

- Passband Center Frequency 79.49GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

Electrical Characteristics:

Parameter		Min	Typ	Max	Units
Passband Center Frequency			79.49		GHz
Passband Width		650	800		MHz
Passband Ripple			2		dB
Passband Insertion Loss			3		dB
Rejection	@DC-78GHz		35		dBc
	@80.8-90GHz		35		
Approximate 3dB Bandwidth		650	800		MHz
Ruturn Loss			-20		dB

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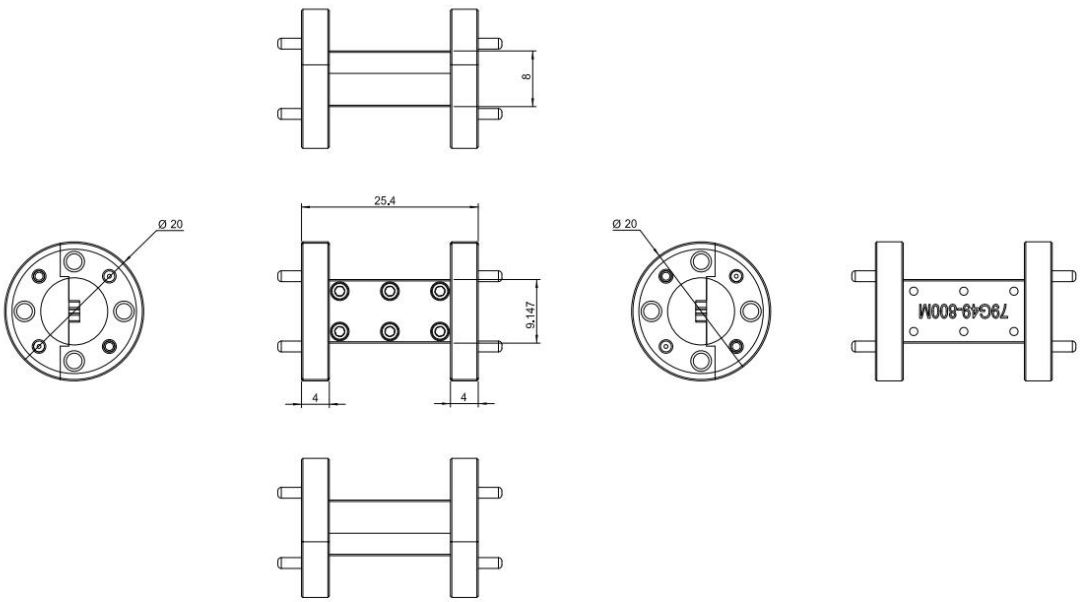
Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +85	℃
Storage Temerature	-55 to +125	℃
Material	Copper	
Finish	Gold Plated	
Waveguide	WR-12/UG-387/U-M	
Size	ø20*25.4	mm

Outline Drawing:

Unit:mm



Ordering Information:

Base Number	Description	Revision
TLBF-79G49-800M-35	Waveguide Bandpass Filter,79.49GHz, Insertion Loss:3.0dB, Rejection:35dB@DC-78 GHz&80.8-90 GHz,WR-12/UG-387/U-M	Rev.1.0

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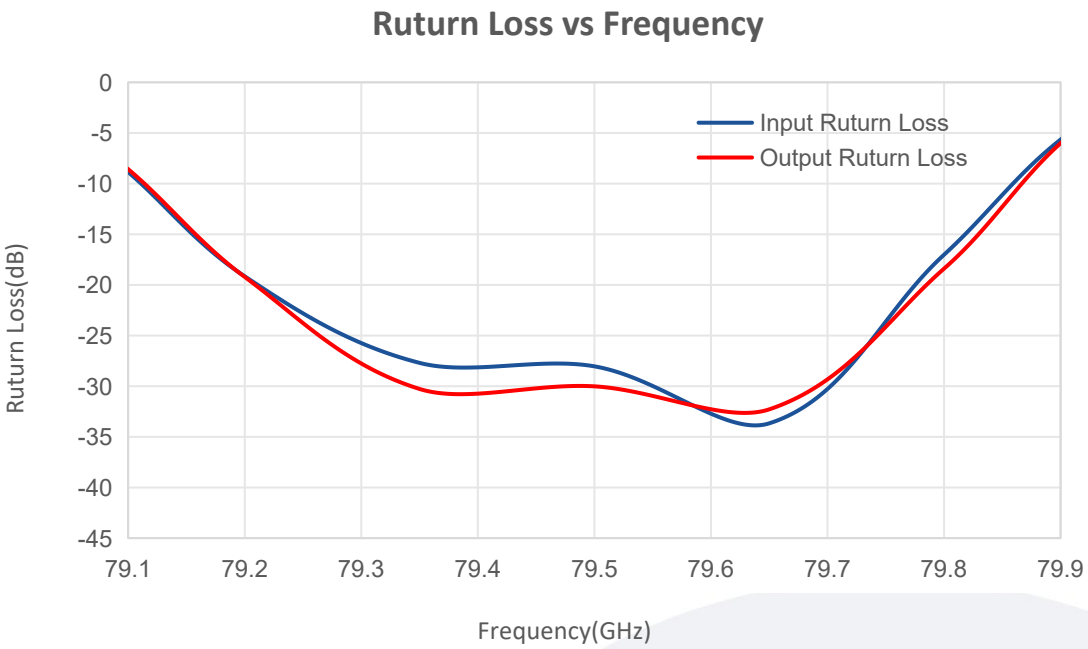
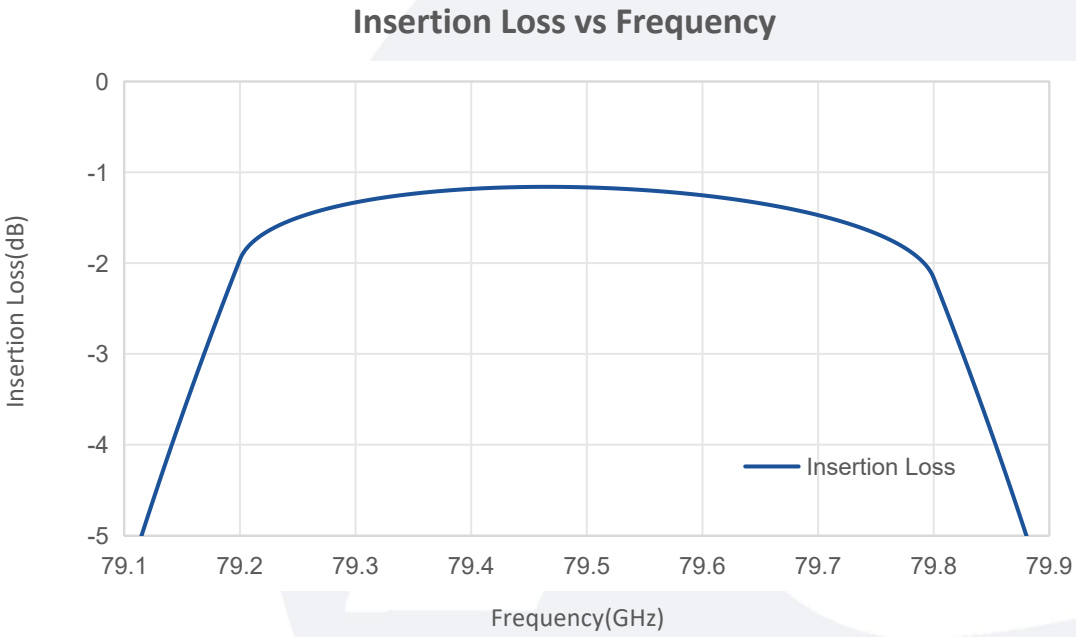
Typical Performance Data:





Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

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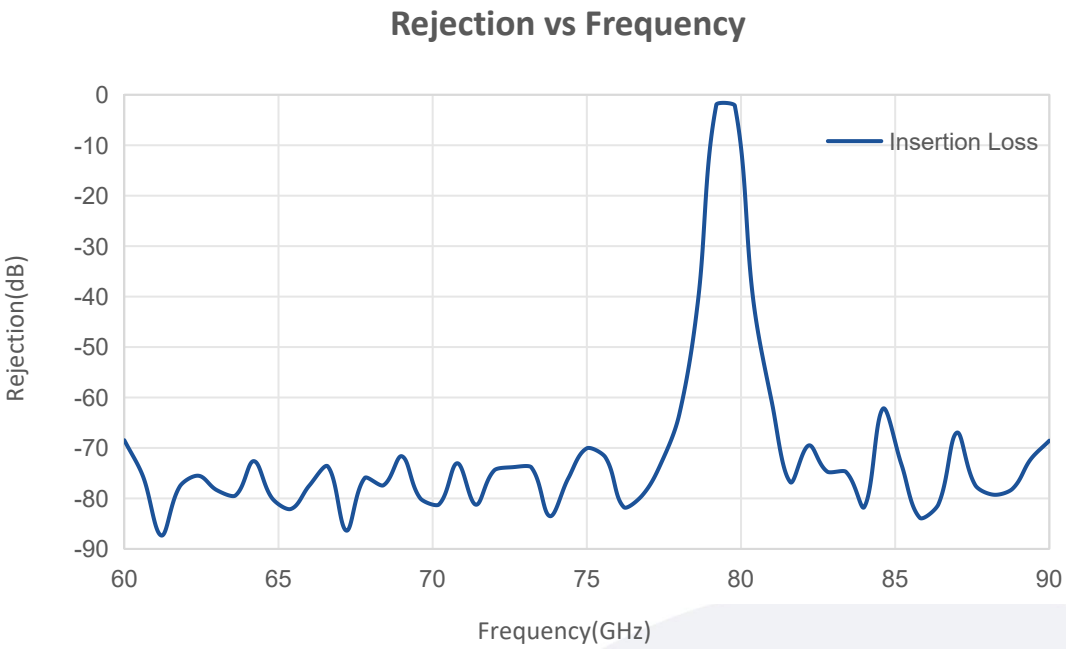

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