

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

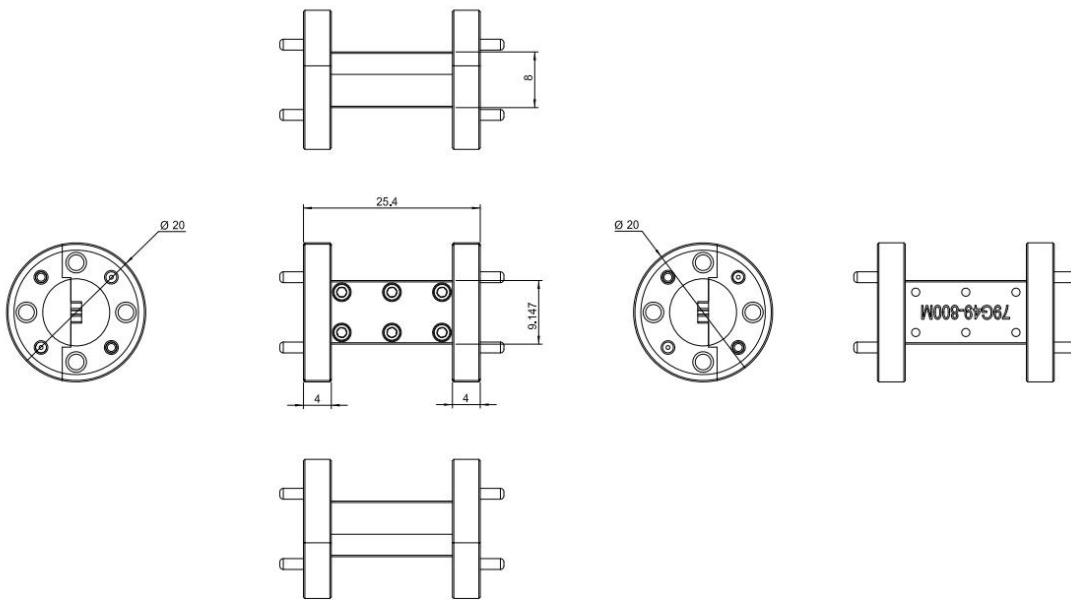
电气特性 Electrical Characteristics:

参数 Parameter		Min	Typ	Max	单位 Units
通带中心频率 Passband Center Frequency			79.49		GHz
通带带宽 Passband Width		650	800		MHz
带内纹波 Passband Ripple			2		dB
通带插损 Passband Insertion Loss			3		dB
带外抑制 Rejection	@DC-78GHz		35		dBc
	@80.8-90GHz		35		
3dB带宽 Approximate 3dB Bandwidth		650	800		MHz
回波损耗 Rreturn Loss			-20		dB

环境和机械特性 Envriionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temperature	-40 To +85	°C
存储温度 Storage Temperature	-55 to +125	°C
材质 Material	Copper	
表面处理 Finish	Gold Plated	
波导 Waveguide	WR-12/UG-387/U-M	
尺寸 Size	ø20*25.4	mm

外形图 Outline Drawing: Unit:mm

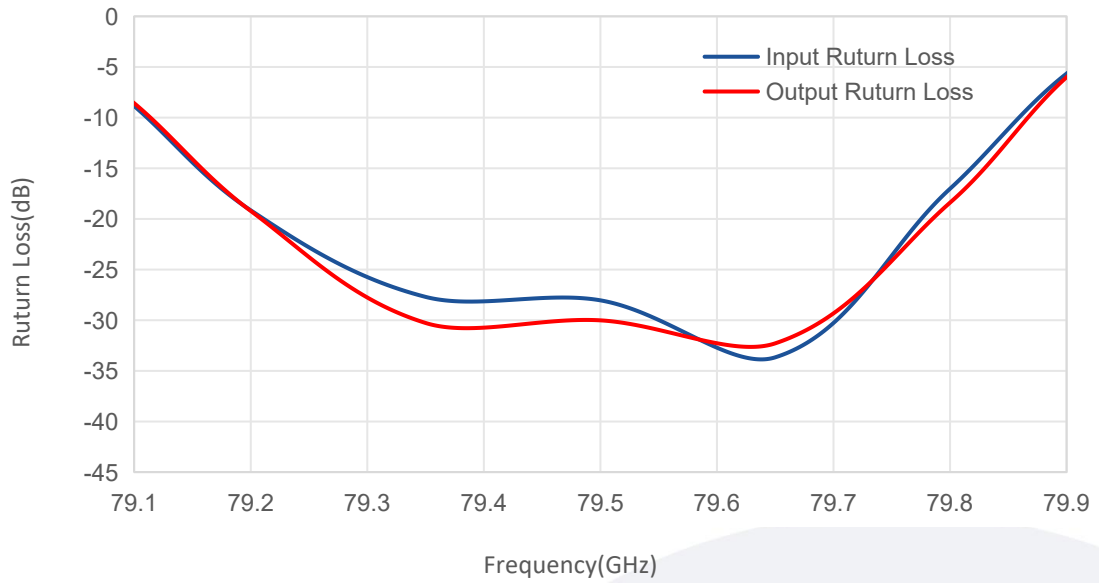


订货信息 Ordering Information:

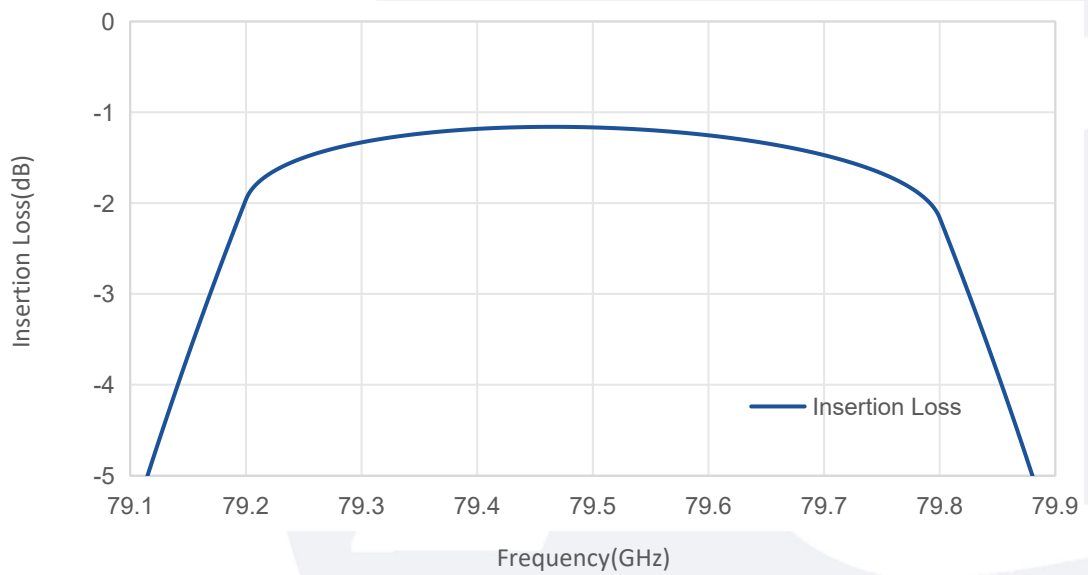
标准型号 Base Number	描述 Description	版本号 Revision
TLBF-79G49-800M-35	Waveguide Bandpass Filter, 79.49GHz, Insertion Loss: 3.0dB, Rejection: 35dB@DC-78 GHz&80.8-90 GHz, WR-12/UG-387/U-M	Rev.1.0

典型曲线 Typical Performance Data:

Return Loss vs Frequency



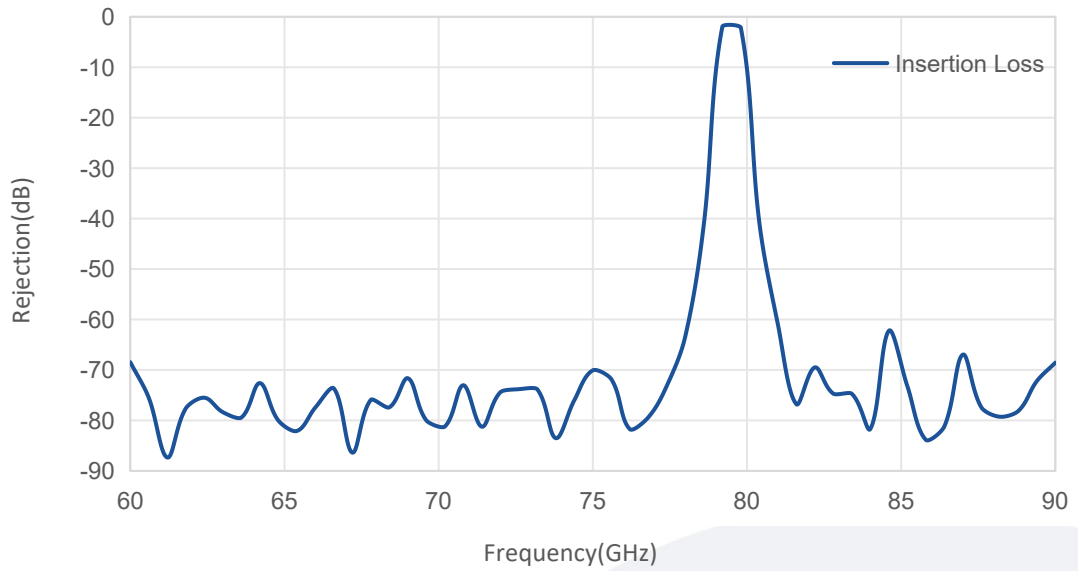
Insertion Loss vs Frequency



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.

典型曲线 Typical Performance Data:

Rejection vs Frequency



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.