

Coaxial Band-pass Filter

4.7-5.1 GHz/SMA Female

Model: TLBF-4G9-400M-E

TLBF-4G9-400M-E is a coaxial band-pass filter with a passband frequency from 4.7 to 5.1 GHz and a rejection frequencies from DC-4 GHz and 5.9 GHz. The maximum fo insertion loss of the filter is 1.0 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 4.7 to 5.1 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

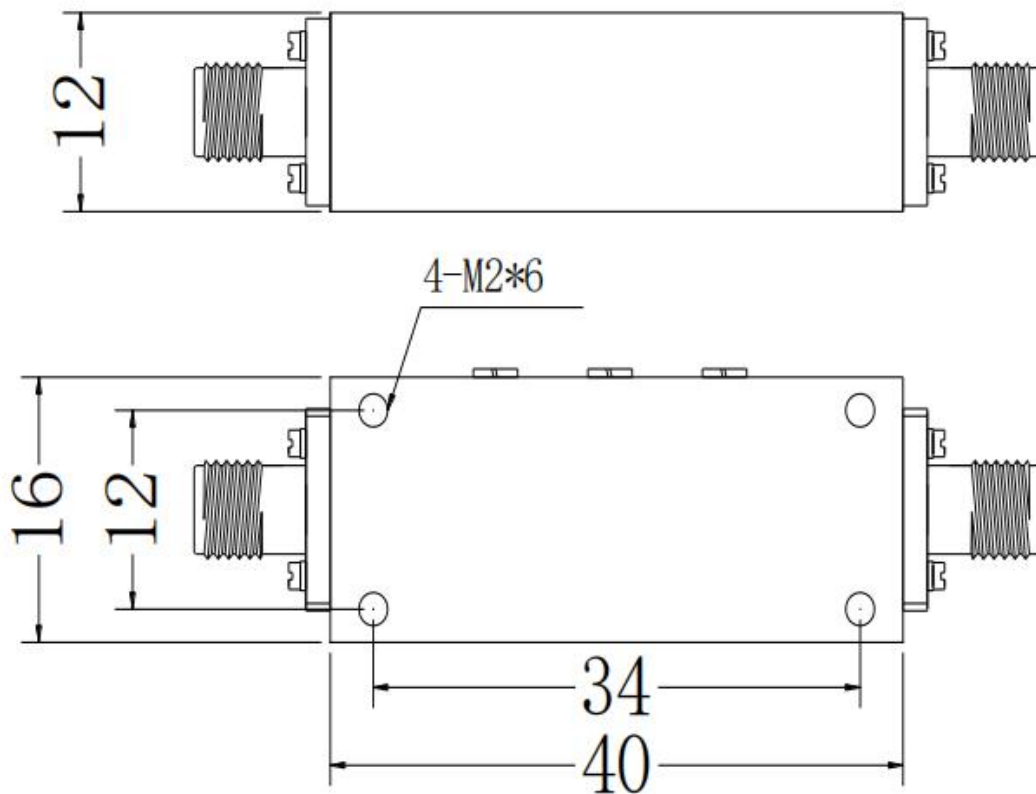
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	4.7		5.1	GHz
带宽 Band Width			0.4	GHz
插损 Insertion Loss(f _o)			1.0	dB
带内波动 Pass Band Ripple			0.8	dB
带外抑制 Rejection	>40dB@DC-4000MHz 5900MHz			
耐受功率 Power Handling			50	W
驻波 VSWR			1.6	:1
阻抗 Impedance	50			Ohms

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 Temerature	-40 To +70	°C
接口 Connectors	SMA Female	

外形图 Outline Drawing: Unit:mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-4G9-400M-E	Coaxial Band-pass Filter, Passband frequency range: 4.7-5.1GHz, fo Insertion Loss: 1.0dB, SMA Female	Rev.1.0