

Coaxial Band-pass Filter

2-4 GHz/SMA Female

Model: TLBF-2G-4G-S

TLBF-2G-4G-S is a coaxial band-pass filter with a passband frequency from 2 to 4 GHz and a rejection frequencies from DC-1.9 GHz. The maximum insertion loss of the filter is 0.3 dB and the minimum rejection is 20 dB.

Features:

- Passband Frequency Range 2 to 4 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

电气特性 Electrical Characteristics:

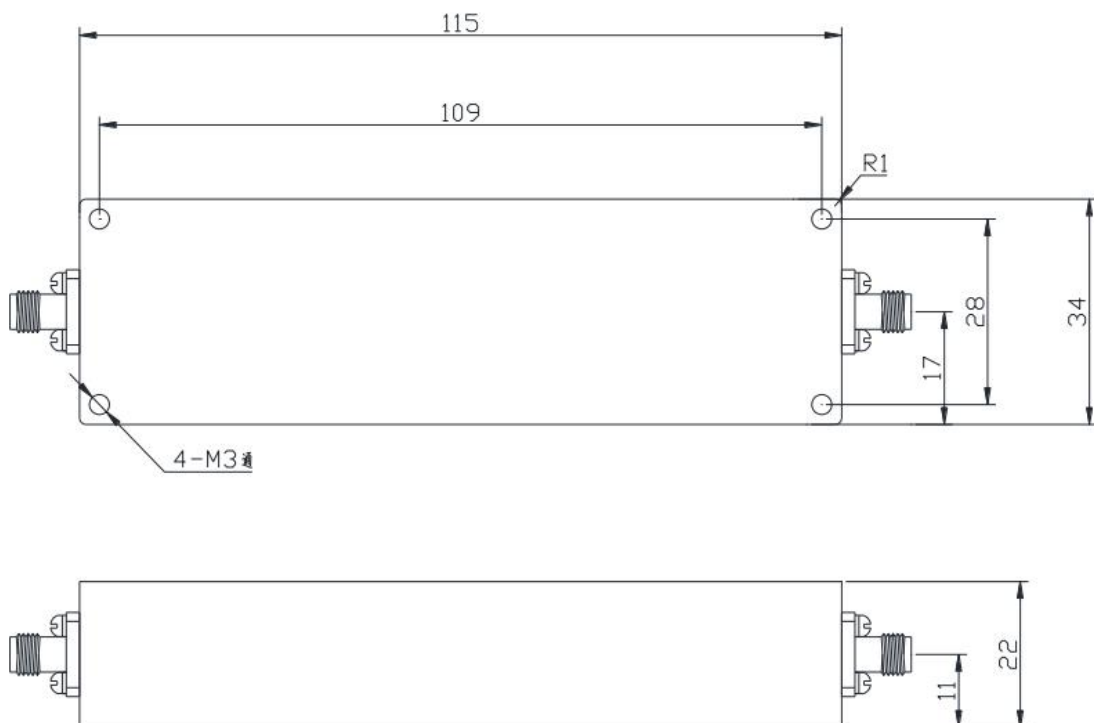
参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	2		4	GHz
带宽 Band Width			2	GHz
通带插损 Passband Insertion Loss			0.3	dB
带外抑制 Rejection	$\geq 20\text{dB@DC-1.9GHz}$			
耐受功率 Power Handling			2	W
幅度平衡 Amplitude Balance	$\leq \pm 0.1\text{dB}$ (每6只之间)			
相位平衡 Phase Balance	$\leq \pm 3^\circ$ (每6只之间)			
驻波 VSWR			1.6	:1
阻抗 Impedance	50			Ohms

环境和机械特性 Envirionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temperature	-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-2G-4G-S	Coaxial Band-pass Filter, Passband frequency range: 2-4GHz, Passband Insertion Loss: 0.3dB, SMA Female	Rev.1.0