

Coaxial Band-pass Filter

2-6GHz/ SMA Female

Model: TLBF-4000-01-SMF

TLBF-4000-01-SMF is a coaxial band-pass filter with a passband frequency from 2 to 6 GHz and a rejection frequencies from 0 to 1.6GHz and 6.9 to 18 GHz. The nominal insertion loss of the filter is 1.5 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range: 2 to 6 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

电气特性 Electrical Characteristics:

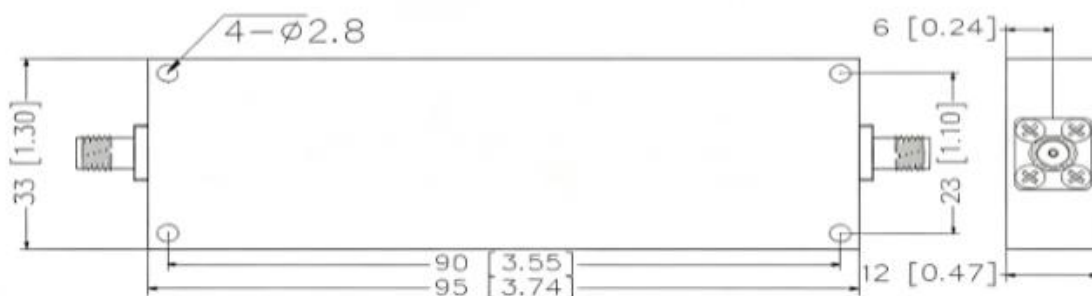
参数 Parameter	Min	Typ	Max	Units
通带频率范围 Passband Frequency range	2		6	GHz
通带插损 Passband Insertion Loss			1.5	dB
带内纹波 Pass Band Ripple			1.2	dB
带外抑制 Rejection	>50dB@dc-1.6Ghz 6.9-18Ghz			dB
耐受功率 Power Handling			15	W
输入驻波 Input VSWR			1.6	:1
输出驻波 Output VSWR			1.6	:1
阻抗 Impedance	50			Ohms

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	℃
存储温度 Storage Temperature	-40 to +70	℃
接口 Connectors	SMA Female	

初步外形图 Preliminary 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-4000-01-SMF	Coaxial Band-pass Filter, Passband frequency range: 2 to 6GHz, Passband Insertion Loss: 1.5dB, SMA Female	Rev.1.0