

Coaxial Band-pass Filter

27.5-31GHz/ 2.92 Female

Model: TLBF-27G5-31G-A

TLBF-27G5-31G-A is a coaxial band-pass filter with a passband frequency from 27.5 to 31GHz and a rejection frequencies DC-26GHz and 32.5GHz. The nominal insertion loss of the filter is 1.5 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 27.5 to 31GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

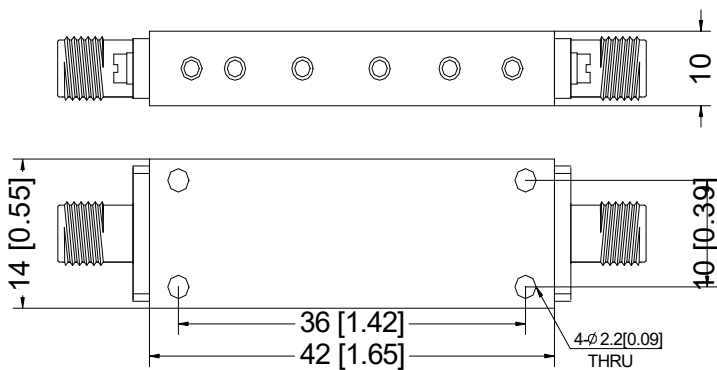
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	27.5		31	GHz
通带插损 Passband Insertion Loss			1.5	dB
带内纹波 Pass Band Ripple			1.0	dB
带外抑制 Rejection	≥50dB@DC-26GHz&32.5GHz			dB
耐受功率 Power Handling			20	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	2.92 Female	

外形图 Outline Drawing: Unit:mm;

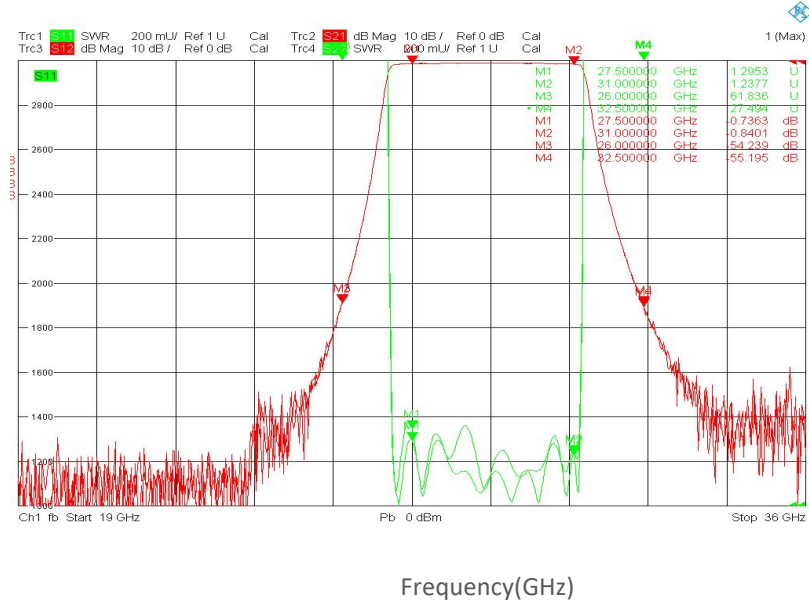


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-27G5-31G-A	Coaxial Band-pass Filter, Passband frequency range: 27.5 to 31GHz , Passband Insertion Loss: 1.5dB, 2.92 Female	Rev.1.0

典型曲线 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.