

Coaxial High-pass Filter

3.1-12 GHz/SMA Female

Model: TLHF-3G1-12G-X

TLHF-3G1-12G-X is a coaxial High-pass filter with a passband frequency from 3.1 to 12 GHz and a rejection frequency from DC to 2.65 GHz. The maximum insertion loss of the filter is 1.2 dB and the minimum rejection is 40 dB.

Features:

- Passband Frequency Range 3.1 to 12GHz
- Low Insertion Loss

Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

电气特性 Electrical Characteristics:

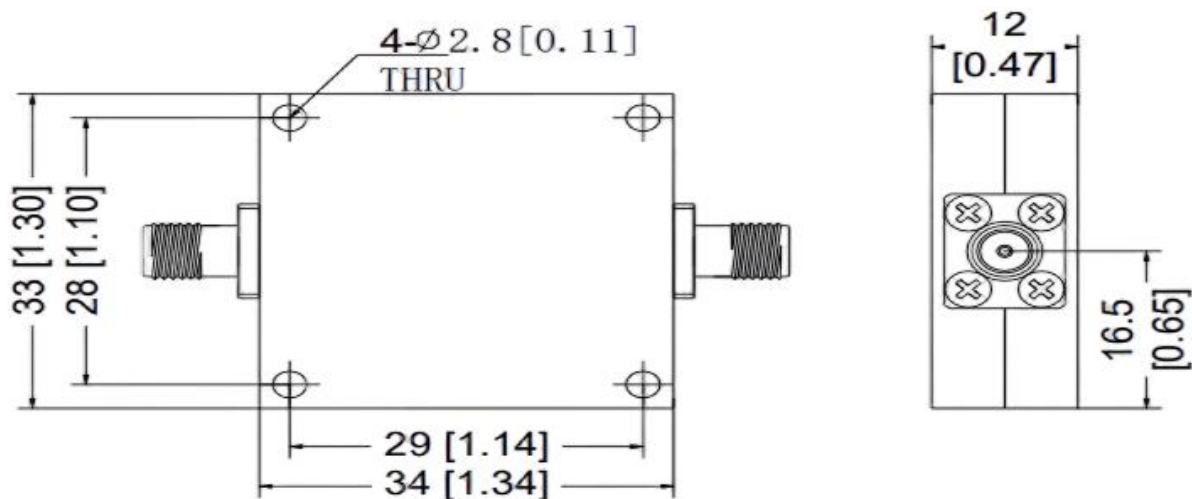
参数 Parameter	Min	Typ	Max	单位 Units
带通频率范围 Passband Frequency range	3.1		12	GHz
通带插损 Passband Insertion Loss			1.2	dB
带内纹波 Pass Band Ripple			1.0	dB
驻波 VSWR			1.8	:1
带外抑制 Rejection@DC-2.65GHz	40			dB
耐受功率 Power Handling			10	W
阻抗 Impedance	50			Ohms

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	
尺寸 Size	12*33*34	mm

外形图 Outline Drawing:

Unit:mm

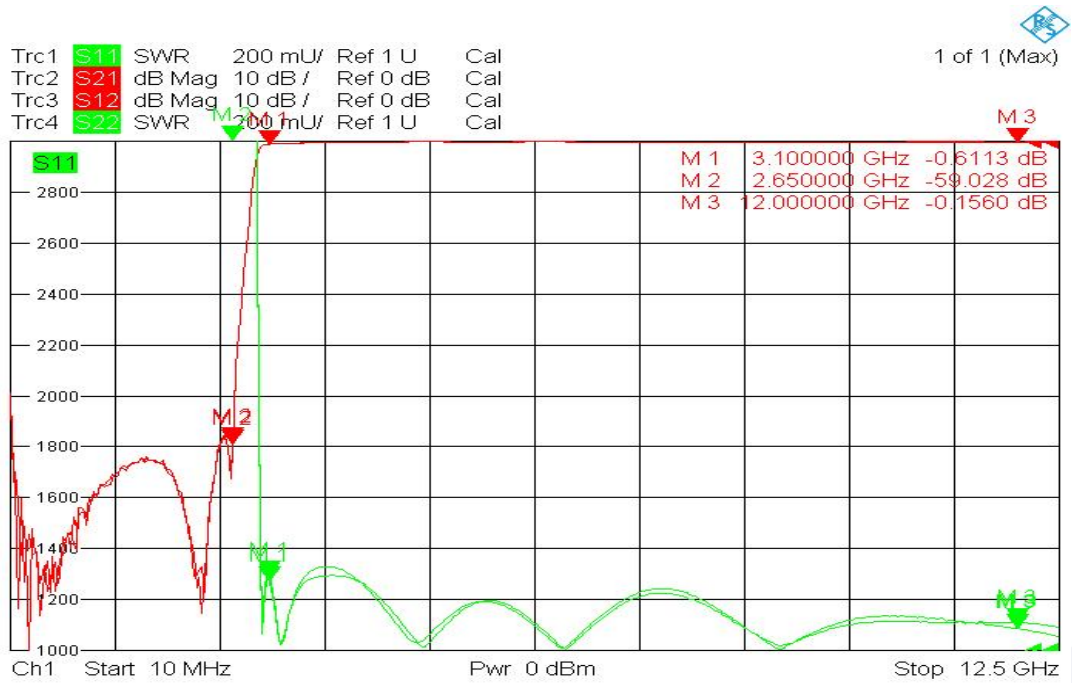


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLHF-3G1-12G-X	Coaxial High-pass Filter, Passband frequency range: 3.1-12GHz, Passband Insertion Loss: 1.2dB, SMA Female Coaxial Fixed Termination	Rev.1.1

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.