

Coaxial Low-pass Filter

DC-6.1GHz/SMA Female

Model: TLLF-DC-6G1-X

TLLF-DC-6G1-X is a coaxial low-pass filter with a passband frequency from 0 to 6.1 GHz and a rejection frequency from 6.8 to 13 GHz. The nominal insertion loss of the filter is 1.2 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range DC to 6.1GHz
- Low Insertion Loss

Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

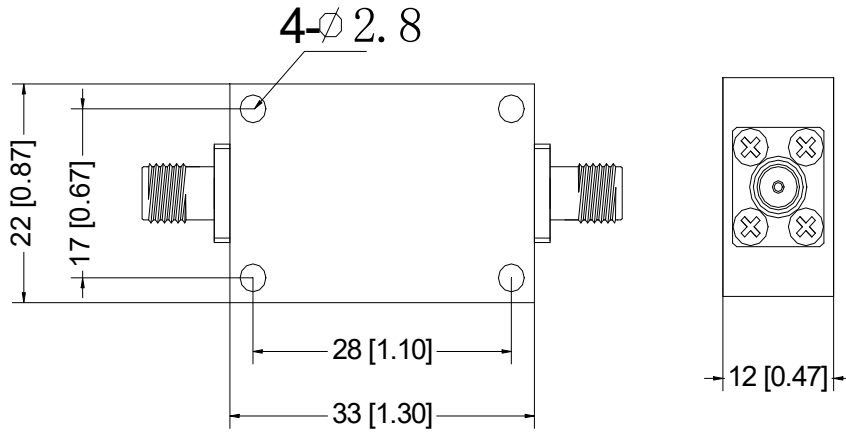
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	DC		6.1	GHz
通带插损 Passband Insertion Loss			1.2	dB
带内纹波 Pass Band Ripple			1.0	dB
带外抑制 Rejection@6.8-13Ghz	50			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	°C
存储温度 Storage 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
TLLF-DC-6G1-X	Coaxial Low-pass Filter, Passband frequency range: DC-6.1GHz, Passband Insertion Loss: 1.2dB, SMA Female	Rev.1.0

典型曲线 Typical Performance Data:

Frequency(GHz)

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.