

Coaxial Low-pass Filter

DC-27GHz/SMA Female

Model: TLLF-DC-27G-X2

TLLF-DC-27G-X2 is a coaxial low-pass filter with a passband frequency from 0 to 27GHz and a rejection frequency from 30 to 43 GHz. The nominal insertion loss of the filter is 2.0 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range DC to 27GHz
- Low Insertion Loss

Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

电气特性 Electrical Characteristics:

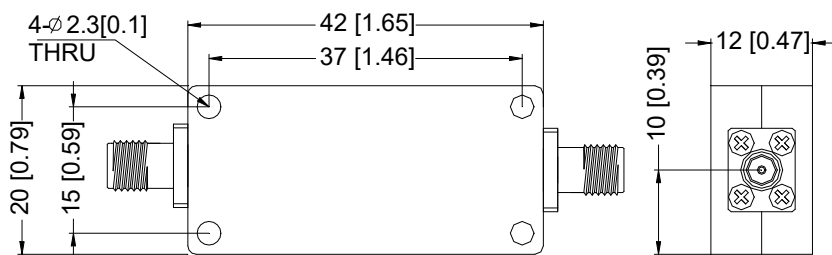
参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	DC		27	GHz
通带插损 Passband Insertion Loss			2.0	dB
带内纹波 Pass Band Ripple			1.8	dB
带外抑制 Rejection@29-31GHz	40			dB
耐受功率 Power Handling			15	W
输入驻波 Input VSWR			1.8	:1
输出驻波 Output VSWR			1.8	:1
阻抗 Impedance	50			Ohms

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



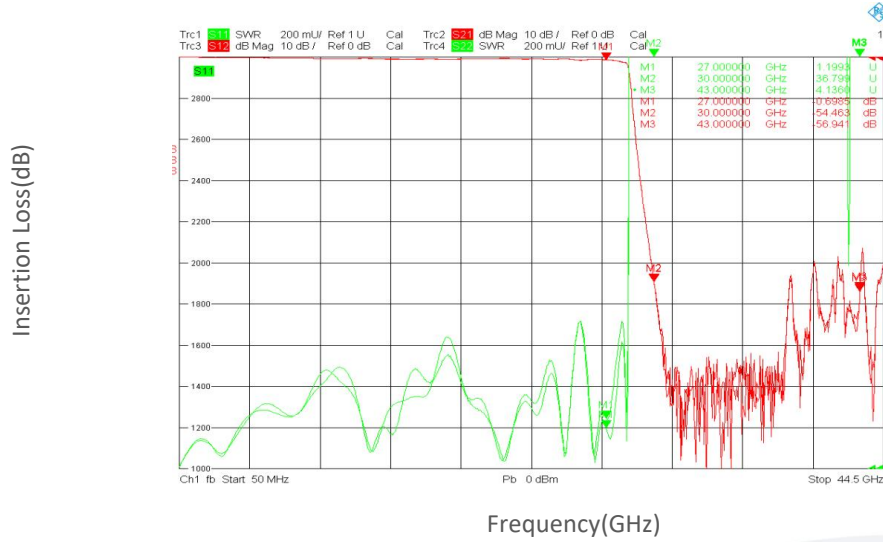
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLLF-DC-27G-X2	Coaxial Low-pass Filter, Passband frequency range: DC-27GHz, Passband Insertion Loss: 2.0dB, SMA Female	Rev.1.0

典型曲线 Typical Performance Data:

Insertion Loss vs Frequency



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.