

Coaxial Band-pass Filter

2.82-2.92GHz/ SMA Female

Model: TLBF-2G87-100M-E

TLBF-2G87-100M-E is a coaxial band-pass filter with a passband frequency from 2.82 to 2.92GHz and a rejection frequencies at 2.7GHz and 3.04GHz. The nominal insertion loss of the filter is 1.0dB and the typical rejection is 60 dB.

Features:

- Passband Frequency Range 2.82 to 2.92GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

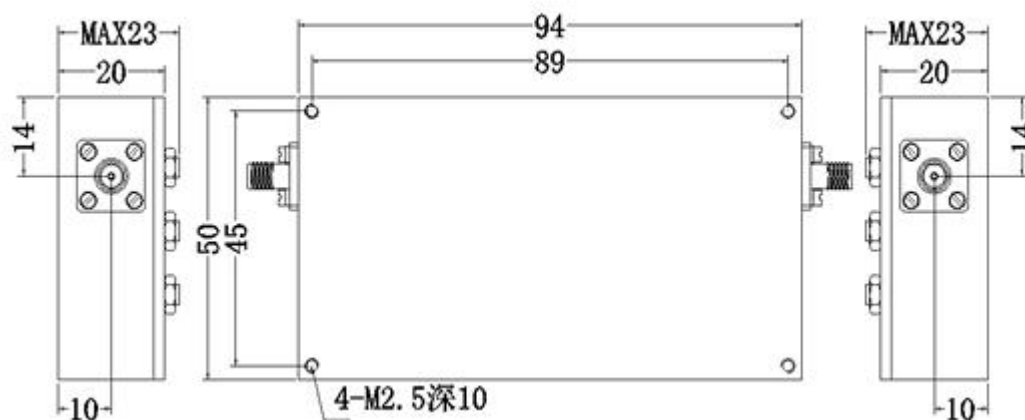
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	2.82		2.92	GHz
通带插损 Passband Insertion Loss			1.0	dB
带内纹波 Pass Band Ripple			0.8	dB
带外抑制 Rejection	$\geq 60\text{dB}@f_c \pm 120\text{MHz}$			dB
耐受功率 Power Handling			15	W
输入驻波 Input VSWR			1.3	:1
输出驻波 Output VSWR			1.3	: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;

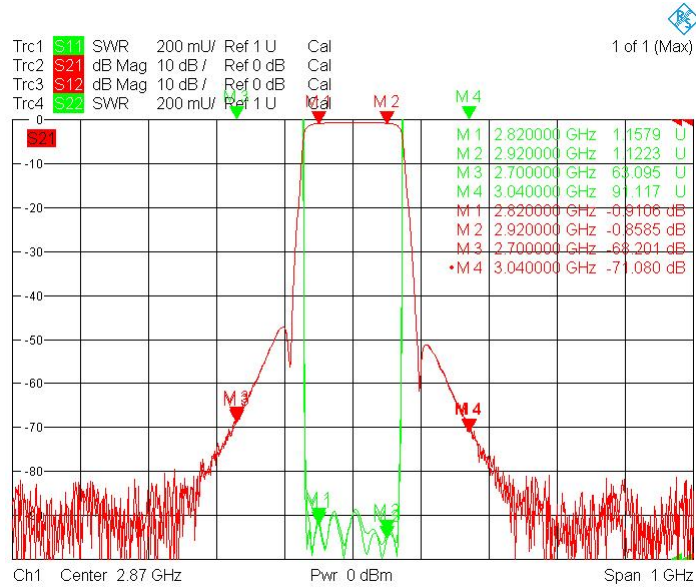


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-2G87-100M-E	Coaxial Band-pass Filter, Passband frequency range: 2.82 to 2.92GHz , Passband Insertion Loss: 1.0dB, SMA 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.