

Coaxial Band-pass Filter

2.49-2.51GHz/ SMA Female

Model: TLBF-2G5-20M-EX

TLBF-2G5-20M-EX is a coaxial band-pass filter with a 3db passband frequency of 20MHz and a rejection frequencies from 0 to 2.42GHz and 2.58 to 18GHz. The nominal insertion loss of the filter is 2.0dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 2.49 to 2.51GHz
- 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	2.49	2.5	2.51	GHz
3db带宽 3 dB Band Width			20	MHz
中心插损 Insertion Loss (f ₀)			2.0	dB
带内纹波 Pass Band Ripple			0.8	dB
带外抑制 Rejection	>50dB@F ₀ +/-80MHz >50dB@2.58-18GHz			dB
耐受功率 Power Handling			15	W
输入驻波 Input VSWR			1.5	:1
输出驻波 Output VSWR			1.5	: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	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-2G5-20M-EX	Coaxial Band-pass Filter, 3db Band Width 20MHz , Insertion Loss (fo) :2.0dB, SMA Female	Rev.1.0