

Coaxial Band-pass Filter

0.5-2 GHz/SMA Female

Model: TLBF-500M-2G-X

TLBF-500M-2G-X is a coaxial band-pass filter with a passband frequency from 0.5 to 2 GHz and a rejection frequencies from DC to 0.2 GHz and from 2.5 to 6 GHz. The maximum insertion loss of the filter is 1.2 dB and the minimum rejection is 50 dB.

Features:

- Passband Frequency Range 0.5 to 2 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

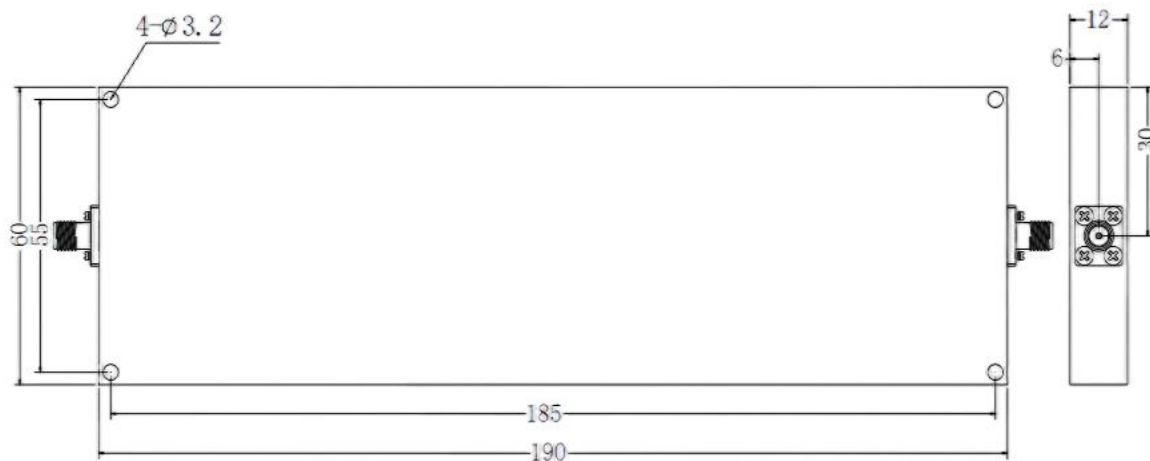
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	0.5		2	GHz
带宽 Band Width			1500	MHz
通带插损 Passband Insertion Loss			1.2	dB
带内纹波 Pass Band Ripple			1.4	dB
驻波 VSWR			1.8	:1
带外抑制 Rejection@DC-0.2GHz&2.5-6GHz	50			dB
耐受功率 Power Handling			15	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 Temerature	-40 To +70	°C
接口 Connectors	SMA Female	
尺寸 Size	12*60*190	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
TLBF-500M-2G-X	Coaxial Band-pass Filter, Passband frequency range: 0.5-2GHz, Passband Insertion Loss: 1.2dB, SMA Female	Rev.1.0