

Coaxial Band-pass Filter

4.45-4.95 GHz/SMA Female

Model: TLBF-4G7-500M-E

TLBF-4G7-500M-E is a coaxial band-pass filter with a passband frequency from 4.45 to 4.95 GHz and a rejection frequencies from DC-4.15 GHz and 5.25-6.0 GHz. The maximum insertion loss of the filter is 1.0 dB and the minimum rejection is 73 dB.

Features:

- Passband Frequency Range 4.45 to 4.95 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

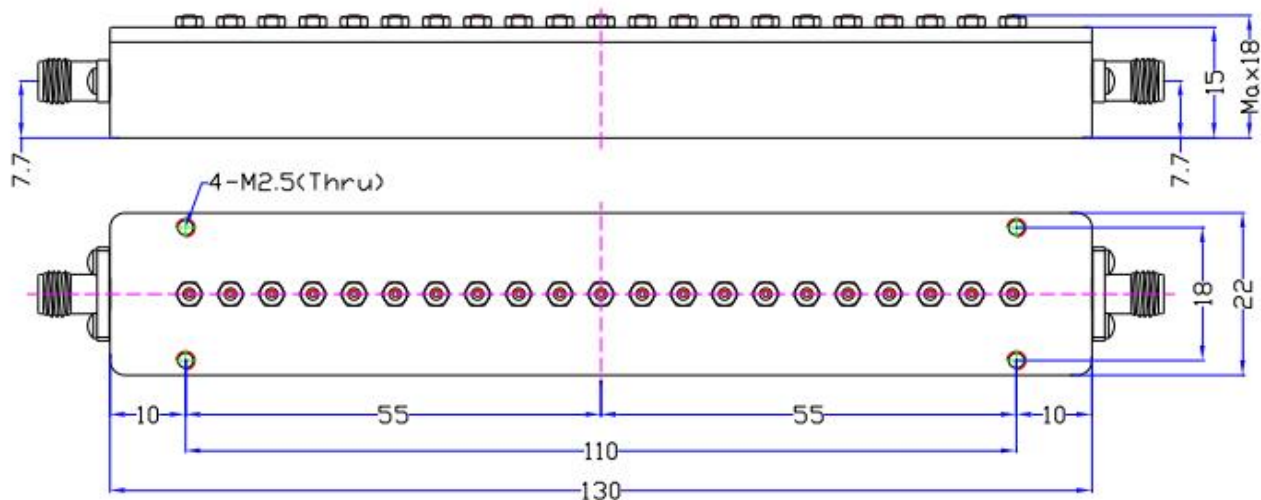
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	4.45		4.95	GHz
带宽 Band Width			0.5	GHz
通带插损 Passband Insertion Loss			1.0	dB
带外抑制 Rejection	≥73dB @ DC ~ 4.15GHz ≥73dB @ 5.25 ~ 6.0GHz			
耐受功率 Power Handling			20	W
驻波 VSWR			1.5	:1
阻抗 Impedance	50			Ohms

环境和机械特性 Envriionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temerature	-30 To +70	°C
接口 Connectors	SMA Female	
表面处理 Surface Finish	Black Paint	

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-4G7-500M-E	Coaxial Band-pass Filter, Passband frequency range: 4.45-4.95GHz, Passband Insertion Loss: 1.0dB, SMA Female	Rev.1.0