

Coaxial Band-pass Filter

6.705-6.875 GHz/SMA Female

Model: TLBF-6G79-170M-E

TLBF-6G79-170M-E is a coaxial band-pass filter with a passband frequency from 6.705 to 6.875 GHz and a rejection frequencies from DC-6.4 GHz and 7.2 GHz. The maximum insertion loss of the filter is 1.2 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 6.705 to 6.875 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

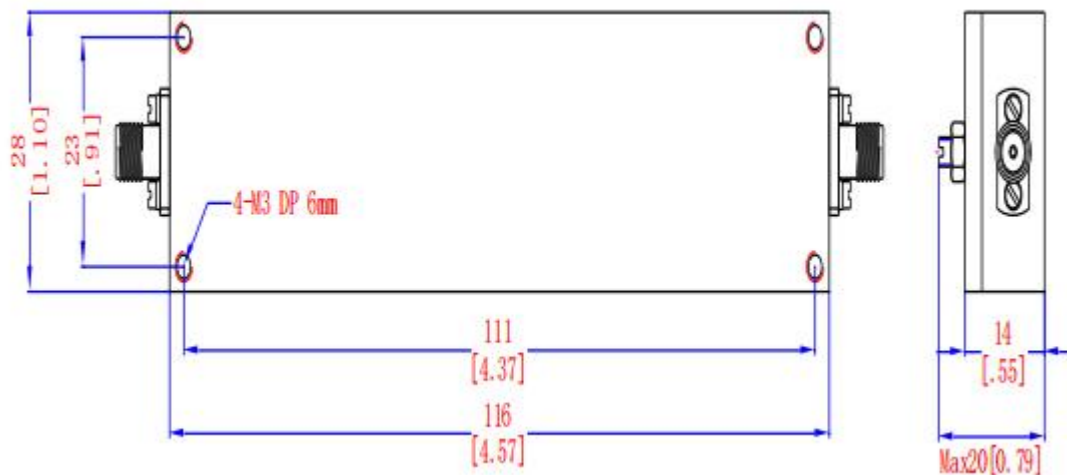
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	6.705		6.875	GHz
通带插损 Passband Insertion Loss			1.2	dB
带内波动 Pass Band Ripple			1.0	dB
带外抑制 Rejection	>40dB@dc-6.4 Ghz 7.2Ghz			
耐受功率 Power Handling			15	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	-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-6G79-170M-E	Coaxial Band-pass Filter, Passband frequency range: 6.705-6.875GHz, Passband Insertion Loss: 1.2dB, SMA Female	Rev.1.0