

Coaxial Band-pass Filter

2.5-2.57GHz/ SMA Female

Model: TLBF-2500-2570-S-100W

TLBF-2500-2570-S-100W is a coaxial band-pass filter with a passband frequency from 2.5 to 2.57 GHz and a rejection frequencies from 0 to 2350MHz and 2730-4000MHz. The nominal insertion loss of the filter is 0.5 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range 2.5 to 2.57GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

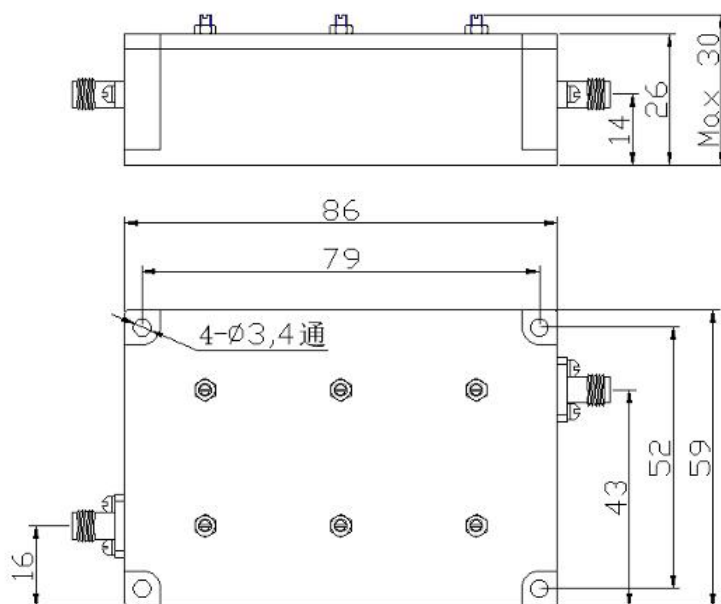
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	2.5		2.57	GHz
通带插损 Passband Insertion Loss			0.5	dB
带外抑制 Rejection	≥70dB@DC-2350MHz&2730-4000MHz			dB
耐受功率 Power Handling			100	W
驻波 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	-55 To +85	℃
表面处理 Finish	silver-plated	
接口 Connectors	SMA Female	

外形图 Outline Drawing: Unit:mm;

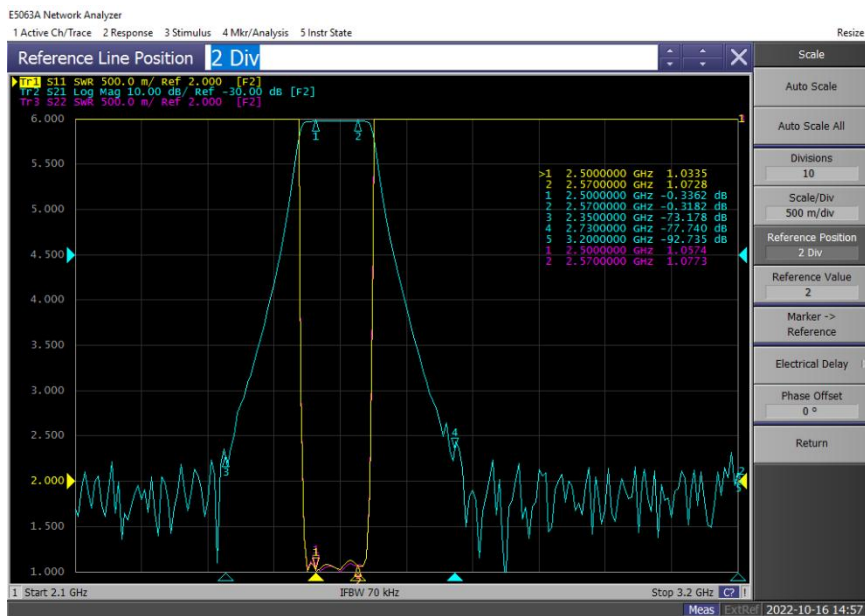


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-2500-2570-S-100W	Coaxial Band-pass Filter, Passband frequency range: 2.5 to 2.57GHz, Passband Insertion Loss: 0.5dB, 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.