

Coaxial Band-pass Filter

9.85-10.15 GHz/SMA Female

Model: TLBF-10G-300M-E

TLBF-10G-300M-E is a coaxial band-pass filter with a passband frequency from 9.85 to 10.15 GHz and a rejection frequencies from 9.5 GHz to 10.5 GHz. The maximum insertion loss of the filter is 1.2 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 9.85 to 10.15 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

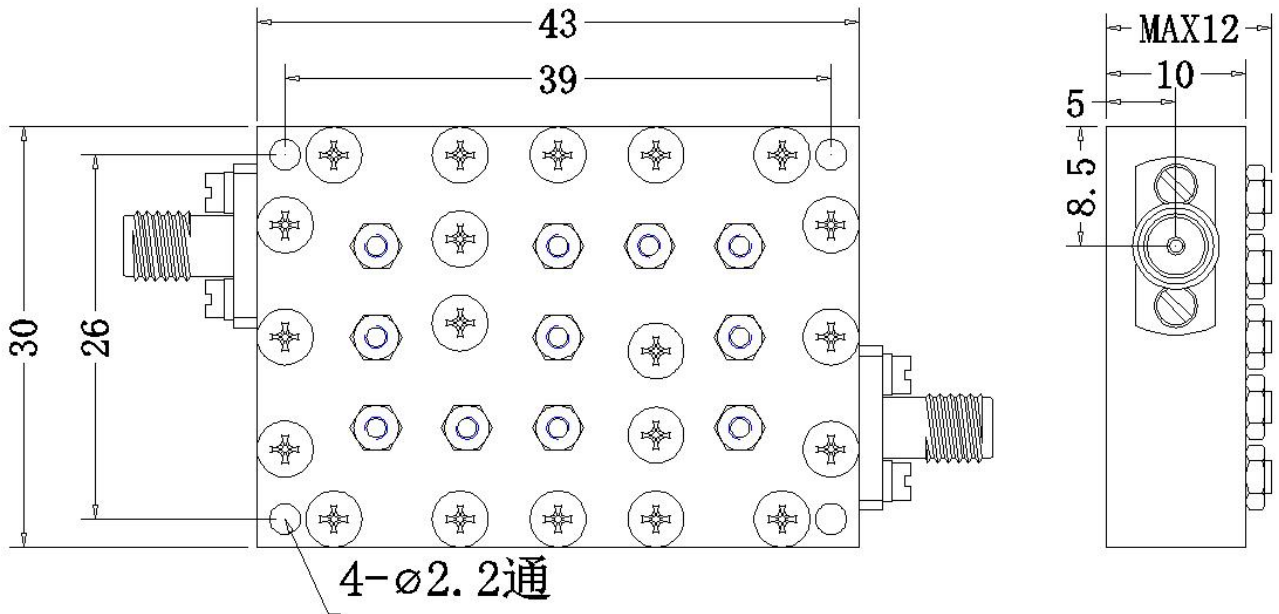
参数 Parameter	Min	Typ	Max	单位 Units
Passband Frequency range	9.85		10.15	GHz
Band Width			0.3	GHz
Passband Insertion Loss			1.2	dB
Pass Band Ripple			0.8	dB
Rejection	>50@fo±500MHz			dB
Power Handling			15	W
VSWR			1.3	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Connectors	SMA Female/SMA Male	

Outline Drawing:

Unit:mm

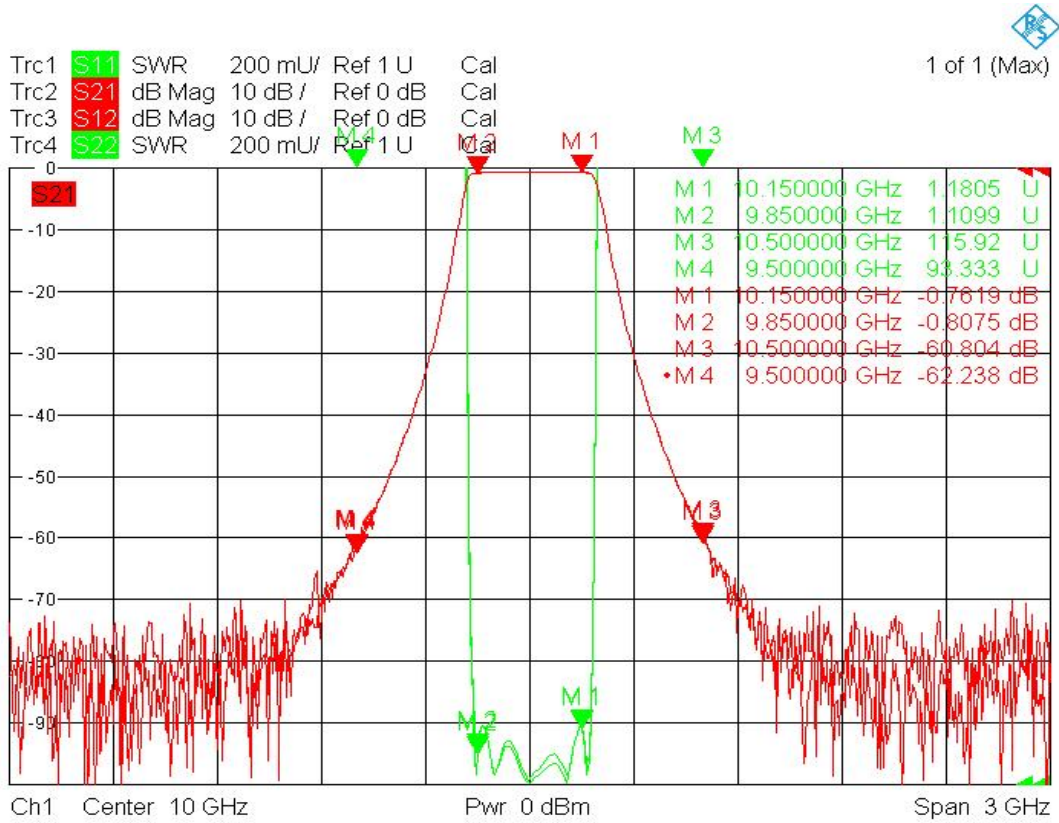


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-10G-300M-E	Coaxial Band-pass Filter, Passband frequency range: 9.85-10.15GHz, Passband Insertion Loss: 1.2dB, SMA Female	Rev.1.0

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.