

Coaxial Band-pass Filter

2.82-2.92GHz/ SMA Female

Model: TLBF-2G87-100M-E

TLBF-2G87-100M-E is a coaxial band-pass filter with a passband frequency from 2.82 to 2.92GHz and a rejection frequencies at 2.7GHz and 3.04GHz. The nominal insertion loss of the filter is 1.0dB and the typical rejection is 60 dB.

Features:

- Passband Frequency Range 2.82 to 2.92GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

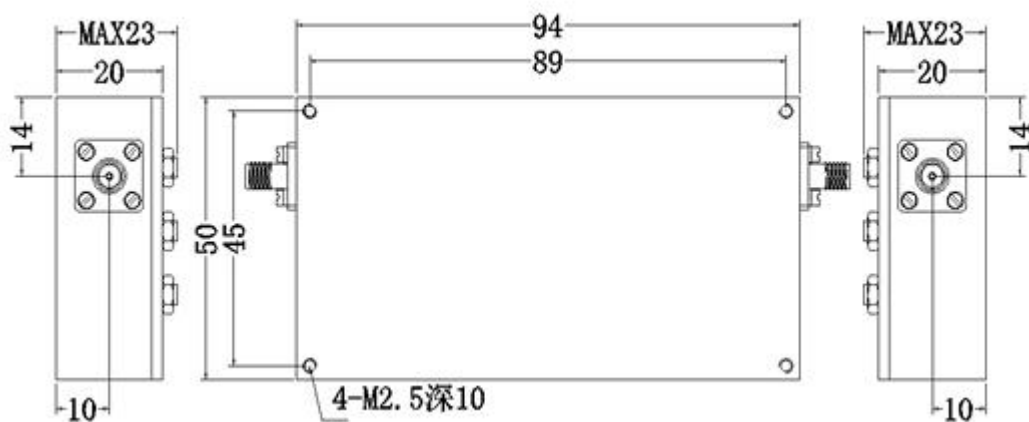
Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Passband Frequency range	2.82		2.92	GHz
Passband Insertion Loss			1.0	dB
Pass Band Ripple			0.8	dB
Rejection	$\geq 60\text{dB}@f_c \pm 120\text{MHz}$			dB
Power Handling			15	W
Input VSWR			1.3	:1
Output VSWR			1.3	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Storage Temperature	-40 to +70	°C
Connectors	SMA Female	

Unit:mm;

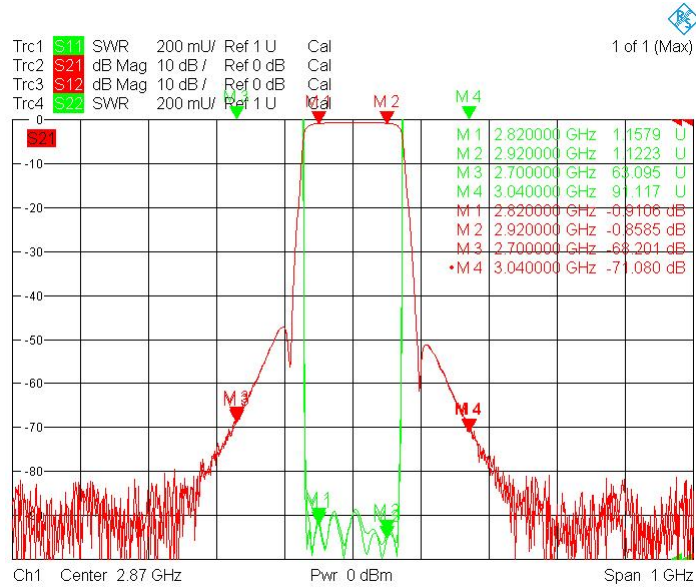


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-2G87-100M-E	Coaxial Band-pass Filter,Passband frequency range:2.82 to 2.92GHz ,Passband Insertion Loss:1.0dB, 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.