

Coaxial Band-pass Filter

Center Frequency 1.3 GHz/SMA Female

Model: TLBF-1G3-700k-E

TLBF-1G3-700k-E is a coaxial band-pass filter with a passband center frequency at 1.3 GHz and a rejection frequencies at $f_c \pm 10$ MHz. The maximum insertion loss of the filter is 12 dB and the minimum rejection is 50 dB.

Features:

- Passband Center Frequency 1.3 GHz
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Passband Frequency range	1.29965		1.30035	GHz
Band Width			0.7(3)	MHz
Passband Insertion Loss			12	dB
Pass Band Ripple			0	dB
VSWR			1.6	:1
Rejection@ $f_c \pm 10$ MHz	50			dB
Power Handling			50	W
Impedance	50			Ohms

Environmental And Physical Characteristics:

Description	Parameter	Units
Operating Temperature	-40 To +70	°C
Connectors	SMA Female	
Size		mm

Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TLBF-1G3-700k-E	Coaxial Band-pass Filter, Passband center frequency: 1.3GHz, Passband Insertion Loss: 12dB, SMA Female	Rev.1.0