

Coaxial Band-pass Filter

29.75-30.25GHz/ 2.92 Female

Model: TLBF-30G-500M-A

TLBF-30G-500M-A is a coaxial band-pass filter with a passband frequency from 29.75 to 30.25 GHz and a rejection frequencies @28.5 and 31.5GHz. The nominal insertion loss of the filter is 1.6 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 29.75 to 30.25 GHz
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

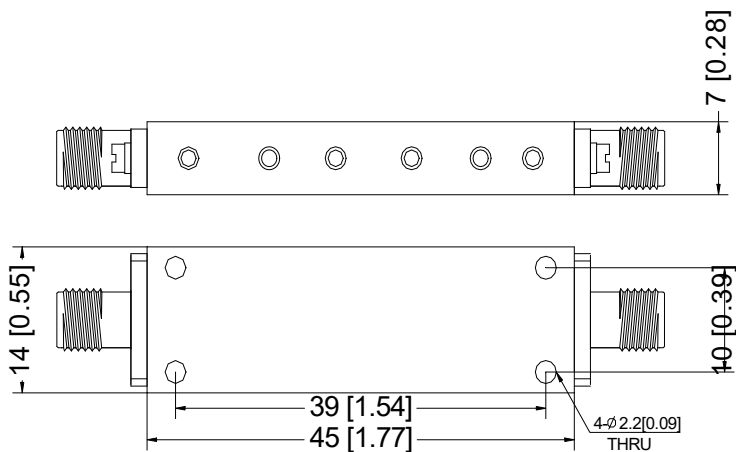
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	29.75	30	30.25	GHz
通带插损 Passband Insertion Loss			1.6	dB
带内纹波 Pass Band Ripple			1.4	dB
带外抑制 Rejection	$\geq 50\text{dB}@f_o \pm 1.5\text{GHz}$			dB
耐受功率 Power Handling			20	W
输入驻波 Input VSWR			1.5	:1
输出驻波 Output 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	°C
存储温度 Storage Temperature	-40 to +70	°C
接口 Connectors	2.92 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-30G-500M-A	Coaxial Band-pass Filter, Passband frequency range: 29.75 to 30.25 GHz, Passband Insertion Loss: 1.6dB, 2.92 Female	Rev.1.0