

Coaxial High-pass Filter

1.6-6 GHz/SMA Female

Model: THF-016-2S

THF-016-2S is a coaxial High-pass filter with a passband frequency from 1.6 to 6 GHz and a rejection frequency from DC to 1.1 GHz. The maximum insertion loss of the filter is 1.0 dB and the minimum rejection is 50 dB.

Features:

- Passband Frequency Range 1.6 to 6GHz
- Low Insertion Loss

Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

电气特性 Electrical Characteristics:

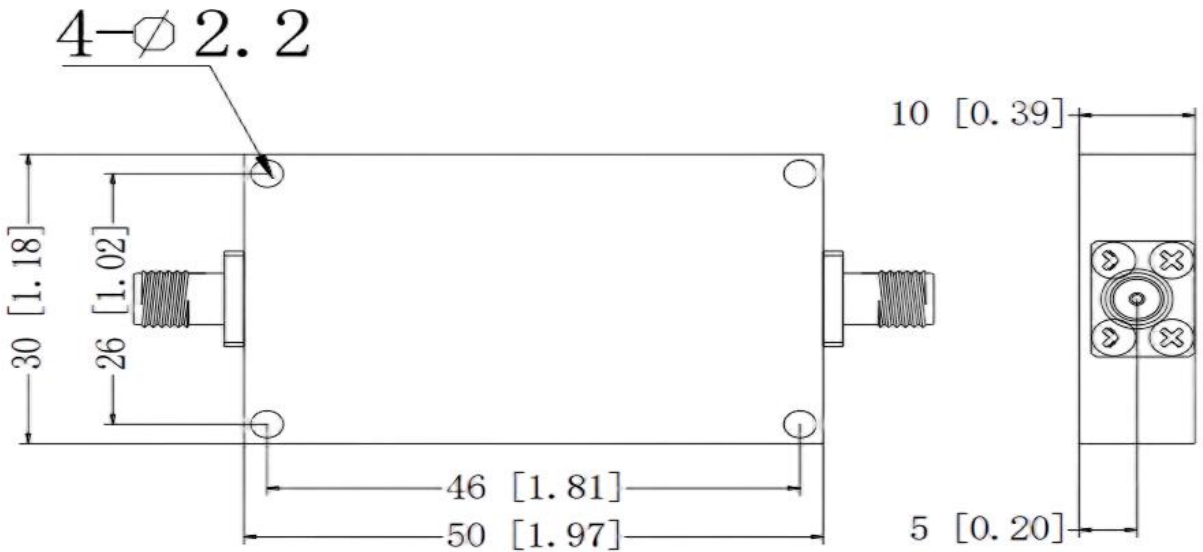
参数 Parameter	Min	Typ	Max	单位 Units
带通频率范围 Passband Frequency range	1.6		6	GHz
通带插损 Passband Insertion Loss			1.0	dB
带内纹波 Pass Band Ripple			1.0	dB
驻波 VSWR			1.8	:1
带外抑制 Rejection@DC-1.1GHz	50			dB
耐受功率 Power Handling			10	W
阻抗 Impedance	50			Ohms

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
接口 Connectors	SMA Female	
尺寸 Size	10*30*50	mm

外形图 Outline Drawing:

Unit:mm



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

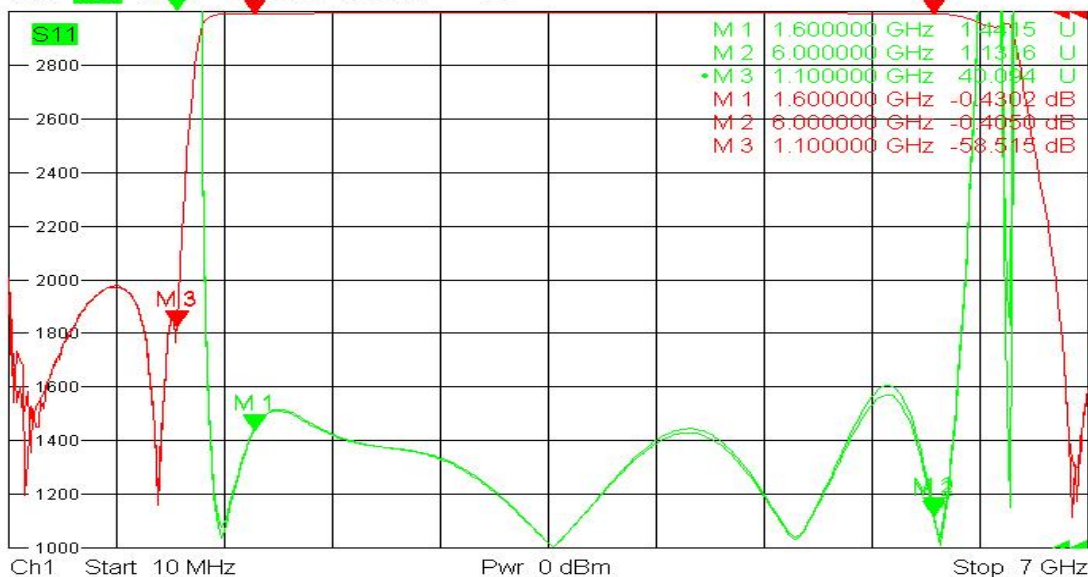
订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
THF-016-2S	Coaxial High-pass Filter, Passband frequency range: 1.6-6GHz, Passband Insertion Loss: 1.0dB, SMA Female Coaxial Fixed Termination	Rev.1.1

典型曲线 Typical Performance Data:

Trc1 **S11** SWR 200 mU/ Ref 1 U Cal
Trc2 **S21** dB Mag 10 dB / Ref 0 dB Cal
Trc3 **S12** dB Mag 10 dB / Ref 0 dB Cal
Trc4 **S22** SWR 200 mU/ Ref 1 U Cal

1 of 1 (Max)



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.