

Waveguide Bandpass Filter

WR-12/81-86GHz

Model: TLBF-081086-40-12

TLBF-081086-40-12 is a waveguide bandpass filter with a passband frequency from 81 to 86 GHz and a rejection frequency from 60 to 78 GHz and 90 to 110 GHz. The nominal insertion loss of the filter is 2 dB and the typical rejection is 40 dBc. The input and output port configuration offers an inline structure with WR-12 waveguides and UG-387/U-M anti-cocking flanges.

Features:

- Passband Frequency Range 81 to 86 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

电气特性 Electrical Characteristics:

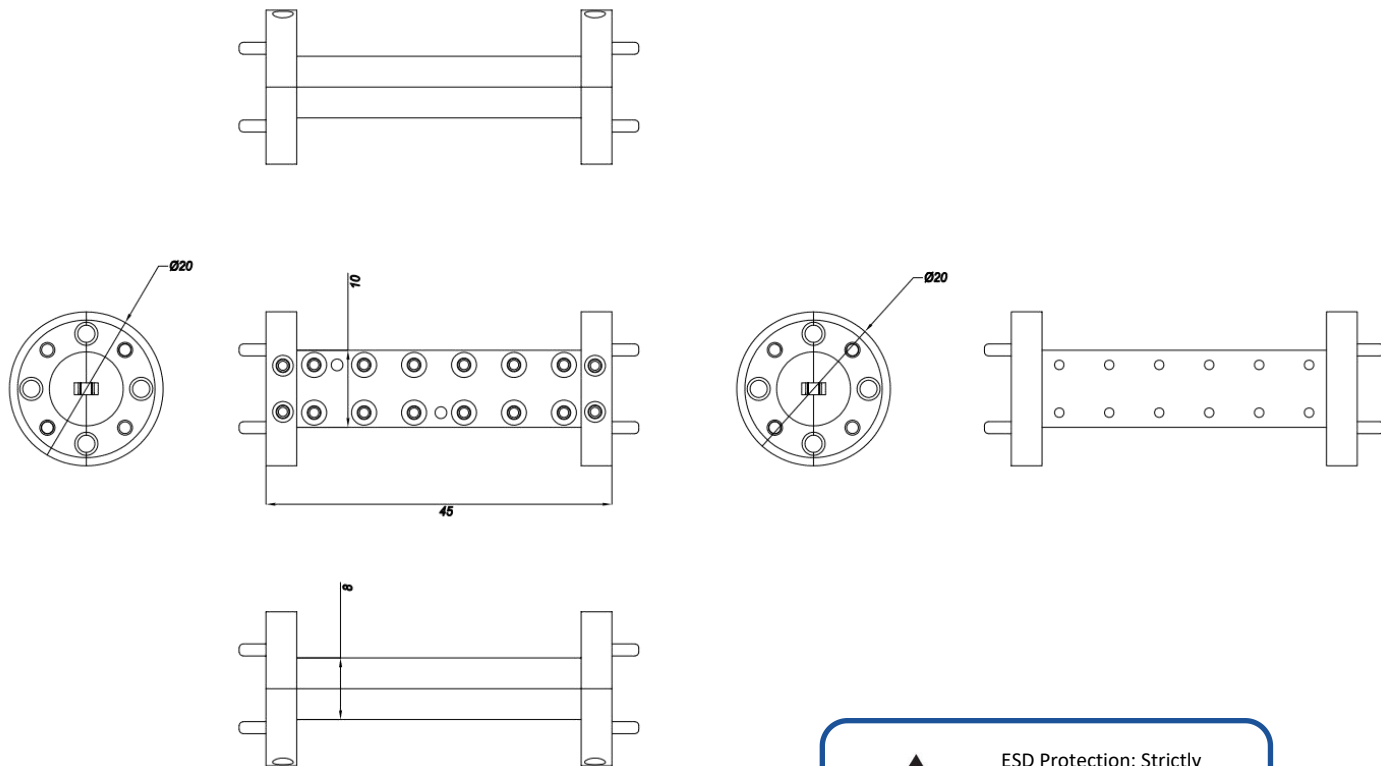
参数 Parameter		Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range		81		86	GHz
通带带宽 Passband Width			5		GHz
输入/输出驻波 Input/Output VSWR			1.25		:1
通带插损 Passband Insertion Loss				2	dB
带外抑制 Rejection	@60-78 GHz	40			dBc
	@90-110 GHz	40			

环境和机械特性 Envrionmental And Physical Characteristics:

参数 Parameter	类型 Description	单位 Units
操作温度 Operating Temerature	-20 to +55	°C
存储温度 Storage Temerature	-20 to +55	°C
材质 Material	Aluminum	
表面处理 Finish	Conductive Coating, Natural Finish	
波导 Waveguide	WR-12/UG-387/U-M	

外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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-081086-40-12	Waveguide Bandpass Filter,81-86GHz, Insertion Loss: 2dB, Rejection: 40dBc@60-78GHz&90-110GHz,WR-12/UG-387/U-M	Rev.1.0