

Model:TC-20180-20S-Cryo

Cryogenic Coax Directional Coupler
2-18GHz,20db,SMA

Feature:

- Frequency: 2 to 18 GHz
- Max Power: 2W
- Capable of operation at 10 mK
- Stackable mechanical design
- Machined OFHC block
- 50 Ohm Matched Input / Output

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	2-18			GHz
耦合 Coupling		20±1.5		dB
插入损耗 Insertion Loss			1.0	dB
方向性 Directivity	10			dB
输入功率 Input Power			2	W
驻波 VSWR			1.6	:1
耐功率 Power Handling			2	W
阻抗 Impedance	50			Ohms

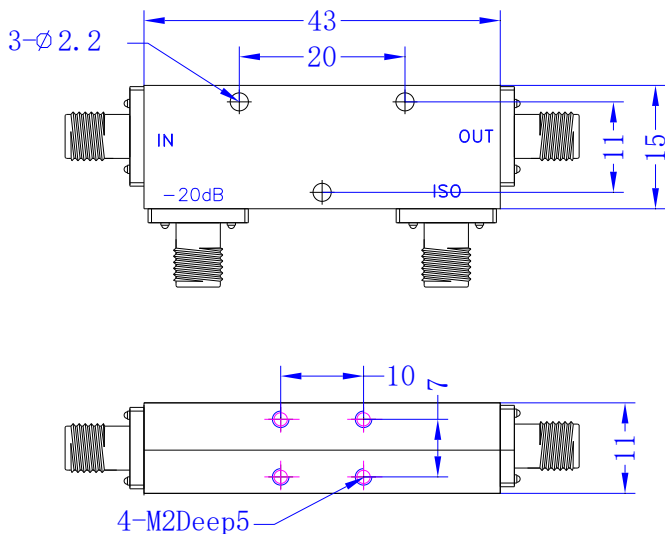
备注：隔离端口标配泰莱微波标准低温负载：[TT2-18-SM-Cryo](#)

机械特性 Mechanical :

参数Parameter	指标 Value	单位Units
射频接口 RF Connector	SMA Female	
外壳材质 Case Material	OFHC Copper	
表面 Finish	Gold Plated	
尺寸 Size	45x15x12	mm

外形尺寸 Outline Drawing:

Unit: mm



温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	10mK		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity	100% RH at 35c, 95%RH at 40°C			%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TC-20180-20S-Cryo	Cryogenic Coax Directional Coupler 2-18GHz,20db,SMA	Rev.1.1