泰莱微波 Talent Microwave

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Coax Dual-Directional Coupler

18-26.5GHz/30dB Coupling/SMA Female&Male Model: TDC-180265-30S3

TDC-180265-30S3 is a coax dual-directional coupler that delivers a 30 dB nominal coupling level and 10 dB minimum directivity across the full frequency range from 18 to 26.5GHz. It is a four-port passive device that can couple a portion of the power from the main transmission line to the auxiliary line in a directional manner.

Features:

- Output Frequency: 18-26.5GHz
- Max Power: 50W
- Stackable mechanical design
- Low Insertion Loss
- Moderate Directivity
- 50 Ohm Matched Input / Output

Applications:

- Test Labs
- Instrumentations
- Sub-assemblies

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
工作频率 Frequency Range	18		26.5	GHz
插入损耗 Insertion Loss(Excl coupling)		0.9	1.0	dB
耦合度 Coupling		30±1.8		dB
方向性 Directivity	10	12		dB
主线驻波 Main Line VSWR			1.8	:1
耐功率 Power Handling			50	W
阻抗 Impedance		50		Ohms

机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temperature	-45 to +85	℃
RF接口 RF Connector	SMA Female/Male	
尺寸 Size	28*22*11	mm

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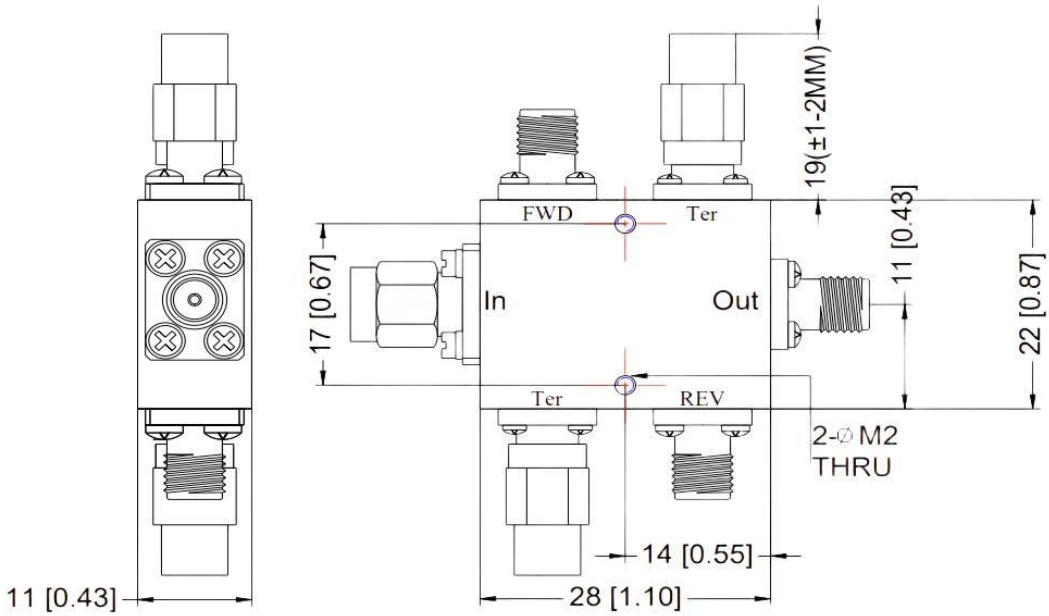
外形图 Outline Drawing:

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
TDC-180265-30S3	Coax Dual-Directional Coupler 18-26.5GHz, Coulping:30dB, SMA Female/Male	Rev.1.0