泰莱微波 Talent Microwave

Suzhou Talent Microwave,Inc
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Coax Dual-Directional Coupler

1-40GHz/10dB Coupling/2.92mm Female

Model: TDC-10400-10K

TDC-10400-10K is a coax dual-directional coupler that delivers a 10 dB nominal coupling level and 10 dB minimum directivity across the full frequency range from 1 to 40GHz. 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: 1-40GHz
- Max Power: 30W
- 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	1		40	GHz
插入损耗 Insertion Loss(Excl coupling)		3.2	3.4	dB
耦合度 Coupling		10±1.8		dB
方向性 Directivity	10	12		dB
主线驻波 Main Line VSWR			1.75	:1
耐功率 Power Handling			30	W
阻抗 Impedance		50		Ohms

机械特性 Mechanical Specifications:

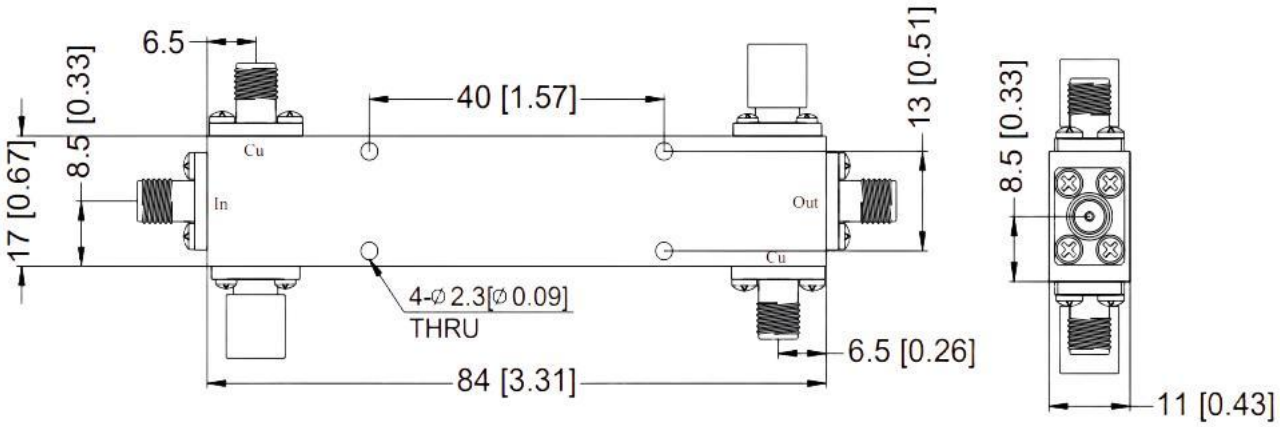
参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temperature	-45 to +85	℃
RF接口 RF Connector	2.92mm Female	
尺寸 Size	84*17*11	mm

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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-10400-10K	Coax Dual-Directional Coupler 1-40GHz, Coulping:10dB, 2.92mm Female	Rev.1.0