泰莱微波 Talent Microwave

Suzhou Talent Microwave,Inc
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High Power Directional Coupler

6-18GHz/40dB Coupling/N Female

Model: TC-060180-40N-250

TC-060180-40N-250 is a high power directional coupler that delivers a 40 dB nominal coupling level and 10 dB minimum directivity across the full frequency range from 6 to 18GHz. It is a three-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: 6-18GHz
- Max Power: 250W
- 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	6		18	GHz
插入损耗 Insertion Loss(Excl coupling)			0.7	dB
耦合度 Coupling		40±2		dB
方向性 Directivity	10			dB
主线驻波 Main Line VSWR			1.4	:1
副线驻波 Secondary Line VSWR			1.8	:1
耐功率 Power Handling	250			W
阻抗 Impedance		50		Ohms

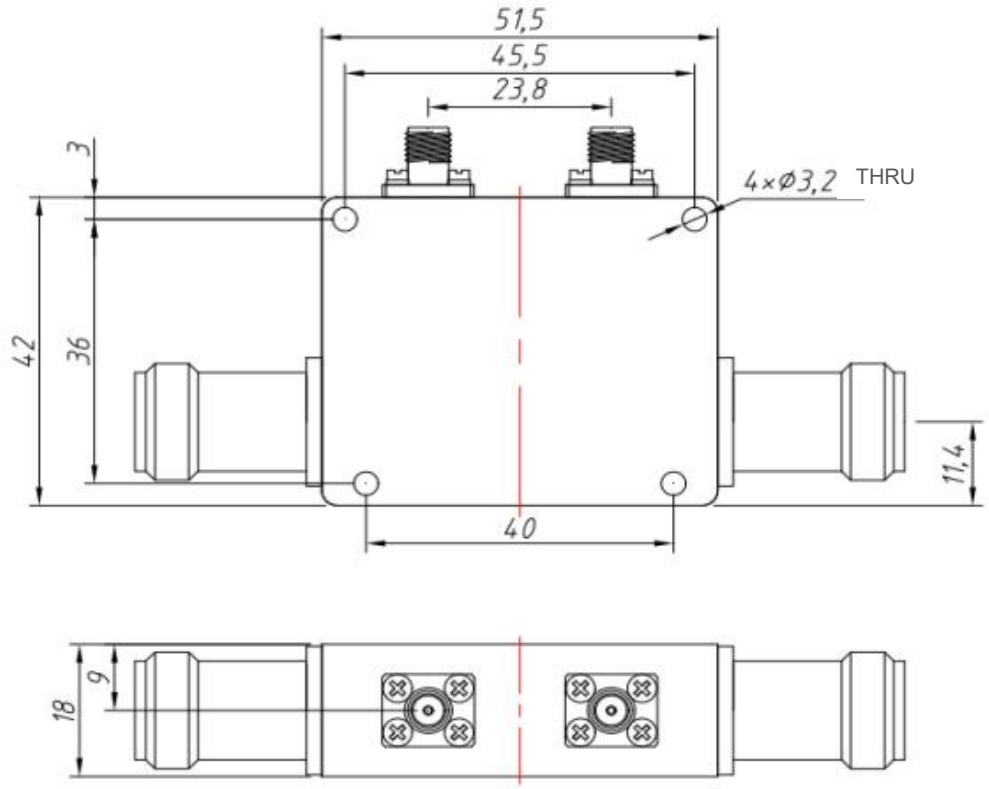
机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temperature	-55 to +85	℃
RF接口 RF Connector	N Female	
耦合接口 Coupling Connector	SMA Female	
尺寸 Size	51.5*42*18	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
TC-060180-40N-250	High Power Directional Coupler 6-18GHz, Coulping:40dB, N Female	Rev.1.0