泰莱微波 Talent Microwave

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

High Power Dual-Directional Coupler

8-18GHz/30dB Coupling/N Female Model: TDC-80180-30N-300W

TDC-80180-30N-300W is a high power dual-directional coupler that delivers a 30 dB nominal coupling level and 10 dB minimum directivity across the full frequency range from 8 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: 8-18GHz
- Max Power: 300W
- 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	8		18	GHz
插入损耗 Insertion Loss(Excl coupling)		0.4	0.8	dB
耦合度 Coupling		30±1.0		dB
方向性 Directivity	10	12		dB
主线驻波 Main Line VSWR		1.3	1.5	:1
耐功率 Power Handling		300		W
阻抗 Impedance		50		Ohms

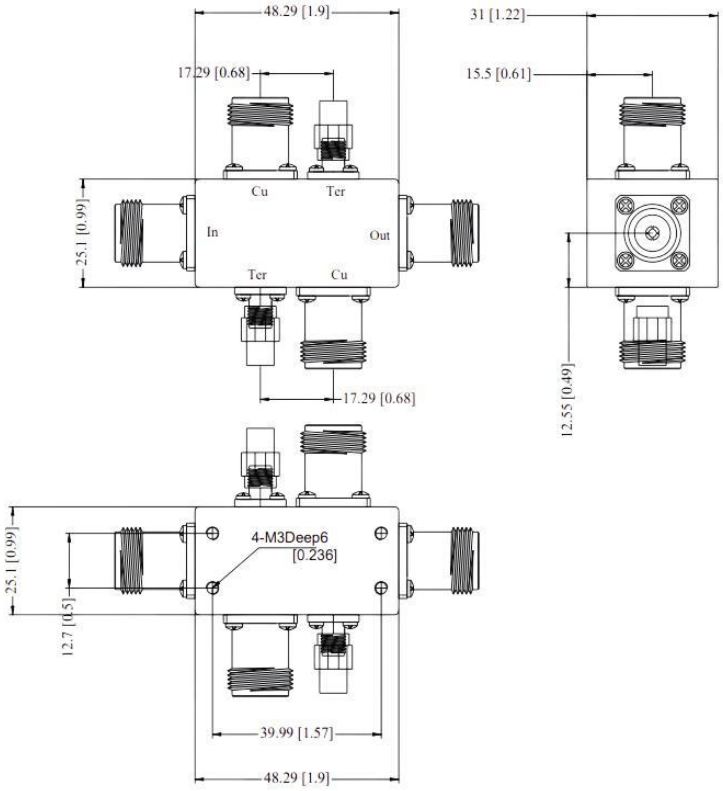
机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temperature	-45 to +85	℃
RF接口 RF Connector	N Female	
耦合接口 Coupling Connector	SMA Female	
尺寸 Size	48.29*25.1*31	mm

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

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-80180-30N-300W	High Power Dual-Directional Coupler 8-18GHz, Coulping:30dB, N Female	Rev.1.0