泰莱微波 Talent Microwave

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

High Power Dual-Directional Coupler

12-18GHz/30dB Coupling/N Female Model: TDC-120180-30N-200W

TDC-120180-30N-200W 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 12 to 18GHz. 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: 12-18GHz
- Max Power: 200W
- 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	12		18	GHz
插入损耗 Insertion Loss(Excl coupling)		0.4	0.8	dB
耦合度 Coupling		30±1.2		dB
方向性 Directivity	10	12		dB
主线驻波 Main Line VSWR			1.6	:1
耐功率 Power Handling			200	W
阻抗 Impedance		50		Ohms

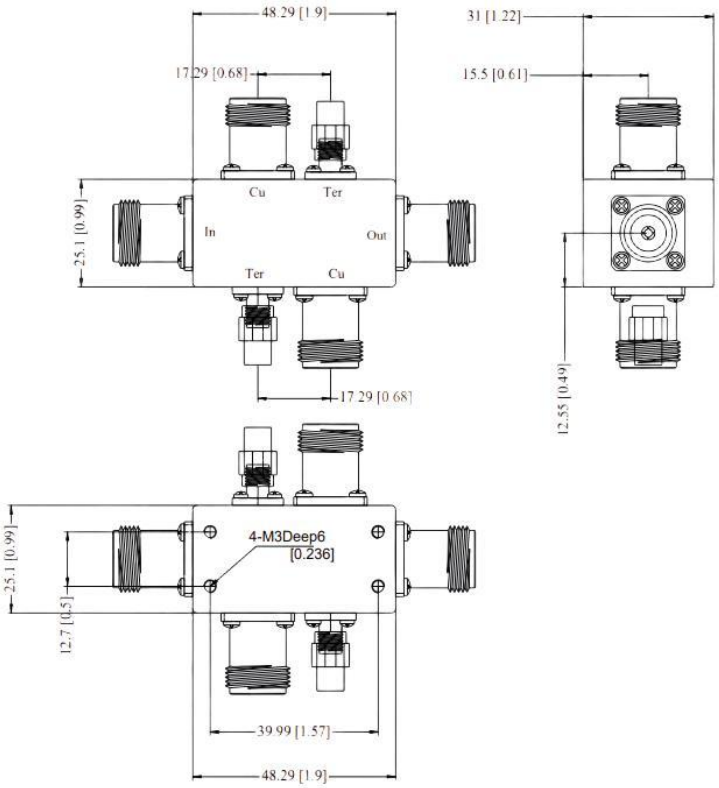
机械特性 Mechanical Specifications:

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	N 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.

温度环境 Environmental Conditions:

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-45		+85	℃
相对湿度 Relative humidity	0		90	%

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TDC-120180-30N-200W	High Power Dual-Directional Coupler 12-18GHz, Coulping:30dB, N Female	Rev.1.0