

Coax Directional Coupler

0.5-6GHz/50dB Coupling/L29 Female/SMA Female

Model: TDC-0560-50L29-1000W

TDC-0560-50L29-1000W is a coax directional coupler that delivers a 50 dB nominal coupling level and 14 dB minimum directivity across the full frequency range from 0.5 to 6GHz. 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: 0.5-6GHz
- Max Power: 1000W(CW)
- Stackable mechanical design
- Low Insertion Loss
- Moderate Directivity
- 50 Ohm Matched Input / Output

Applications:

- Test Labs
- Instrumentations
- Sub-assemblies

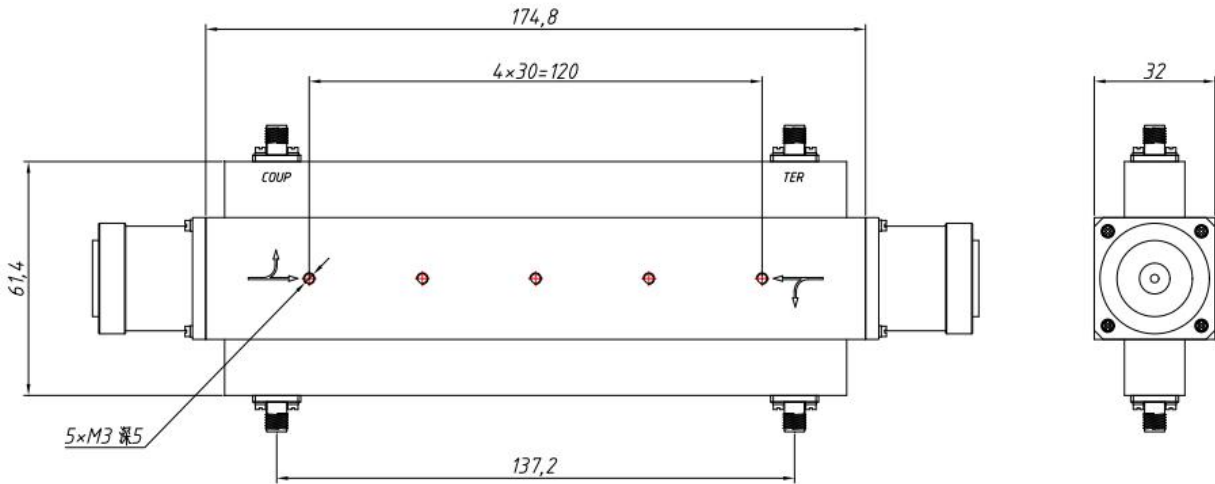
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
工作频率 Frequency Range	0.5		6	GHz
插入损耗 Insertion Loss			0.5	dB
耦合度 Coupling		50±1.0		dB
方向性 Directivity	14			dB
驻波 VSWR			1.4	:1
耐功率 Power Handling	1000(CW)			W
阻抗 Impedance		50		Ohms

环境和机械特性 Envrionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
输入/输出接口 Input/Output Port	L29 Female	
耦合接口 Coupling Port	SMA Female	
工作温度 Operating Temperature	-55~+85℃	
表面处理 Finish	Ture color conductive oxide	
尺寸 Size	174.8*61.4*32	mm

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-0560-50L29-1000W	Coax Directional Coupler 0.5-6GHz, Coupling:50dB, L29 Female/SMA Female	Rev.1.0