泰莱微波
Talent Microwave

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High Power Dual-Directional Coupler

0.5-6GHz/50dB Coupling/L29 Female Model: TDC-0560-50L29-1000W

TDC-0560-50L29-1000W is a high power dual-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
- Stackable mechanical design
- Low Insertion Loss
- Moderate Directivity
- 50 Ohm Matched Input / Output

Applications:

- Test Labs
- Instrumentations
- Sub-assemblies

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	0.5		6	GHz
Insertion Loss(Excl coupling)			0.5	dB
Coupling		50±1		dB
Directivity	14			dB
Main Line VSWR			1.4	:1
Power Handling		1000		W
Impedance		50		Ohms

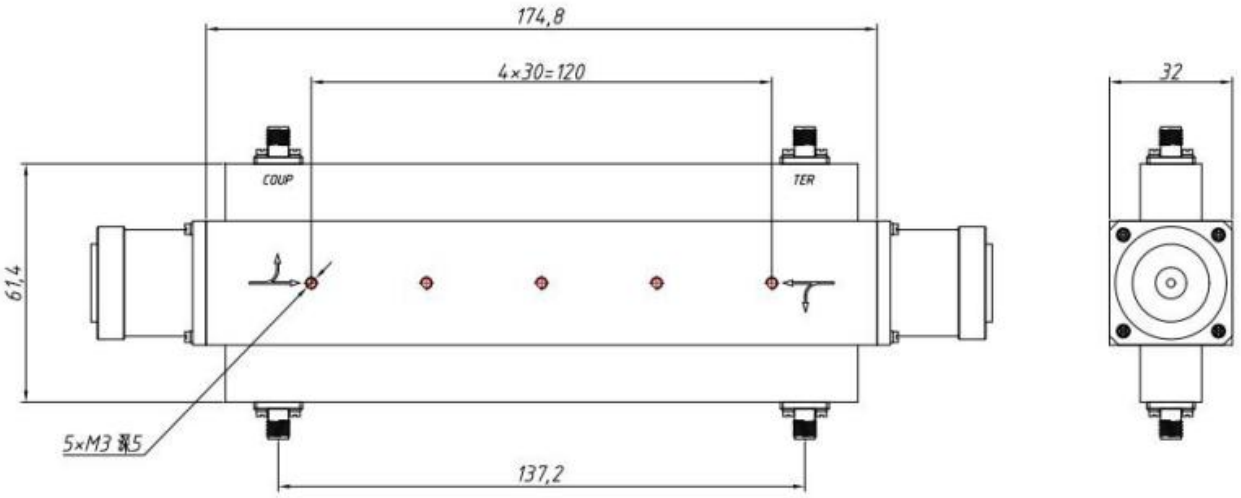
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	- 55 to +85	℃
RF Connector	L29 Female	
Coupling Connector	SMA Female	
Finish	Ture color conductive oxide	
Size	174.8*61.4*32	mm

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Outline Drawing:

Unit:mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TDC-0560-50L29-1000W	High Power Dual-Directional Coupler 0.5-6GHz, Coulping:50dB, L29/SMA Female	Rev.1.0