Suzhou Talent Microwave,Inc
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High Power Directional Coupler

0.3-2.4GHz/10dB Coupling/N Female Model: TC-0324-10N-100W

TC-0324-10N-100W is a high power directional coupler that delivers a 10 dB nominal coupling level and 15 dB minimum directivity across the full frequency range from 0.3 to 2.4GHz. 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: 0.3-2.4GHz
- Max Power: 100W
- 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	0.3		2.4	GHz
Insertion Loss(Excl coupling)			1.2	dB
Coupling		10±1.6		dB
Directivity	15			dB
Main Line VSWR			1.4	:1
Power Handling			100	W
Impedance		50		Ohms

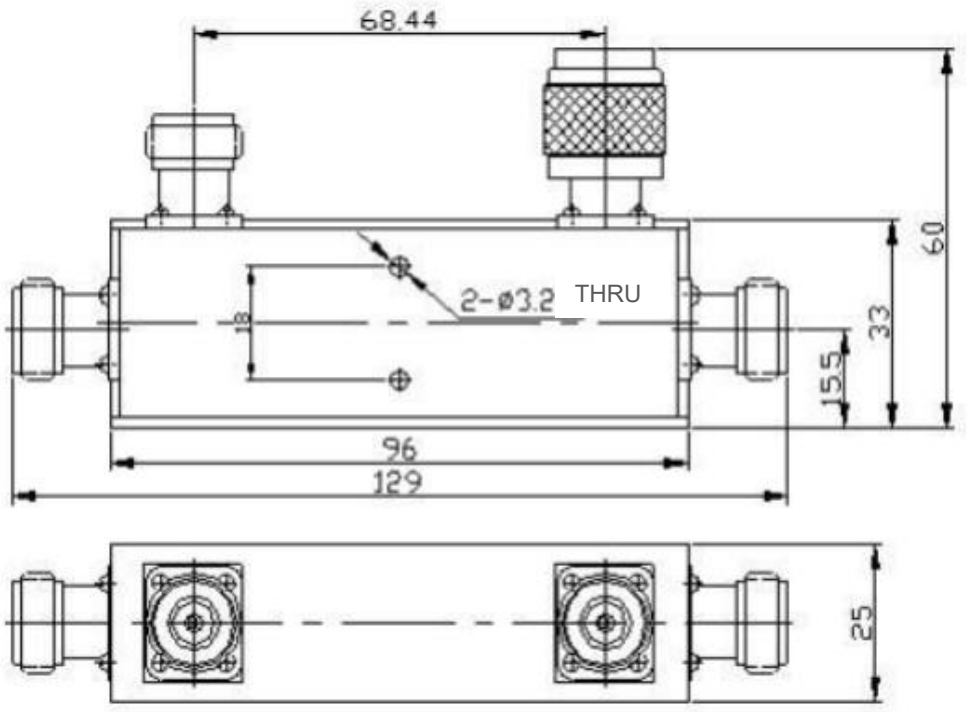
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-20 to +60	℃
RF Connector	N Female	
Coupling Connector	N Female	
Size	129*60*25	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
TC-0324-10N-100W	High Power Directional Coupler 0.3-2.4GHz, Coulping:10dB, N Female	Rev.1.0