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

High Power Directional Coupler

0.1-0.6GHz/40dB Coupling/N Female Model: TC-001006-40N-200

TC-001006-40N-200 is a high power directional coupler that delivers a 40 dB nominal coupling level and 18 dB minimum directivity across the full frequency range from 0.1 to 0.6GHz. 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: 0.1-0.6GHz
- Max Power: 200W
- 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	0.1		0.6	GHz
Insertion Loss(Excl coupling)			0.3	dB
Coupling		40±1		dB
Directivity	18			dB
Main Line VSWR			1.3	:1
Power Handling			200	W
Impedance		50		Ohms

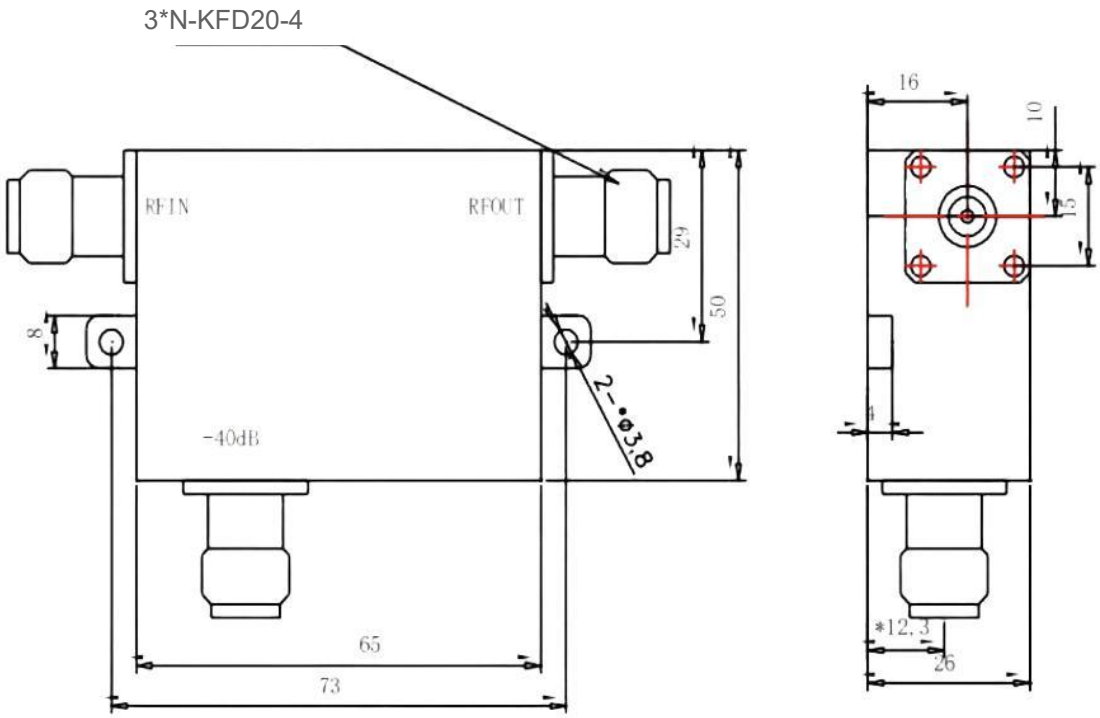
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55 to +85	℃
RF Connector	N Female	
Coupling Connector	N Female	
Size	73*50*26	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-001006-40N-200	High Power Directional Coupler 0.1-0.6GHz, Coulping:40dB, N Female	Rev.1.0