泰莱微波
Talent Microwave

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

High Power Dual-Directional Coupler

9KHz-1GHz/40dB Coupling/N Female

Model: TDC-9K1G-40N-300

TDC-9K1G-40N-300 is a high power dual-directional coupler that delivers a 40 dB nominal coupling level and 13 dB minimum directivity across the full frequency range from 9KHz to 1GHz. 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: 9KHz-1GHz
- Max Power: 300W
- 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		9KHz		1GHz	
Insertion Loss(Excl coupling)				0.6	dB
Coupling			40±1.5		dB
Directivity	@9-100KHz	13			dB
	@100KHz-1GHz	18			dB
Main Line VSWR				1.25	:1
Power Handling			300		W
Impedance			50		Ohms

Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-40 to +85	℃
RF Connector	N Female	
Coupling Connector	SMA Female	
Material	Aluminum	
Connector Material	Nickel plated brass	

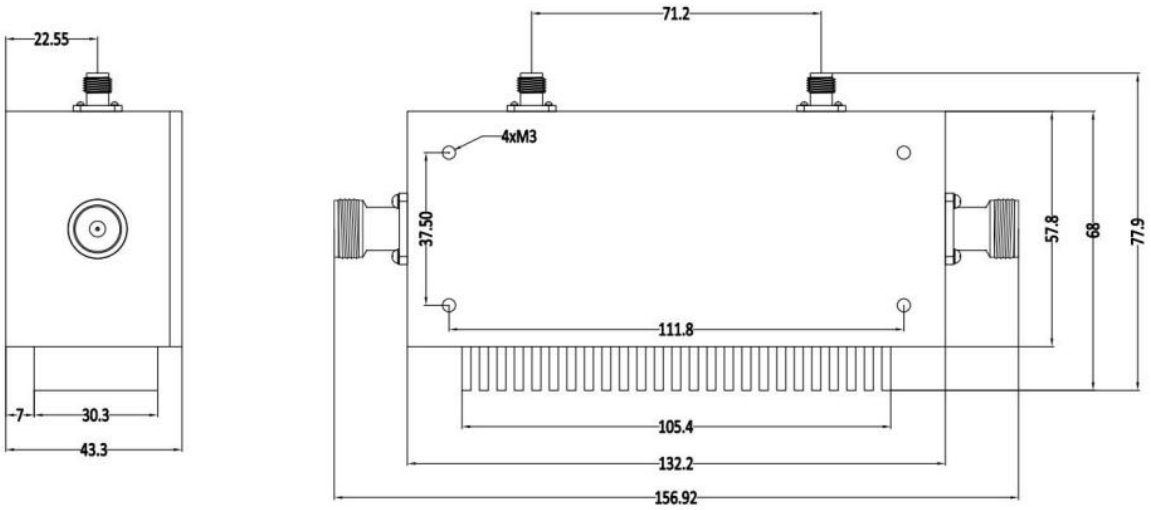
Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Mechanical Specifications:

Parameter	Value	Units
Size	156.92*77.9*43.3	mm
Weight	≤650	g

Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TDC-9K1G-40N-300	High Power Dual-Directional Coupler 9 KHZ-1MHz, Coulping:40dB, N Female	Rev.1.0