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

Coax Directional Coupler

18-40GHz/20dB Coupling/2.92mm Female

Model: TC-180400-20K

TC-180400-20K is a coaxial directional coupler that delivers a 20 dB nominal coupling level and 12 dB minimum directivity across the full frequency range from 18 to 40 GHz. 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: 18-40GHz
- Coupling: 20dB Typ
- 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	18		40	GHz
Insertion Loss (Excl Coupling)		1.2	1.5	dB
Coupling		20±1		dB
Directivity	12	13		dB
Power Handling			20	W
VSWR			1.5	:1
Impedance		50		Ohms

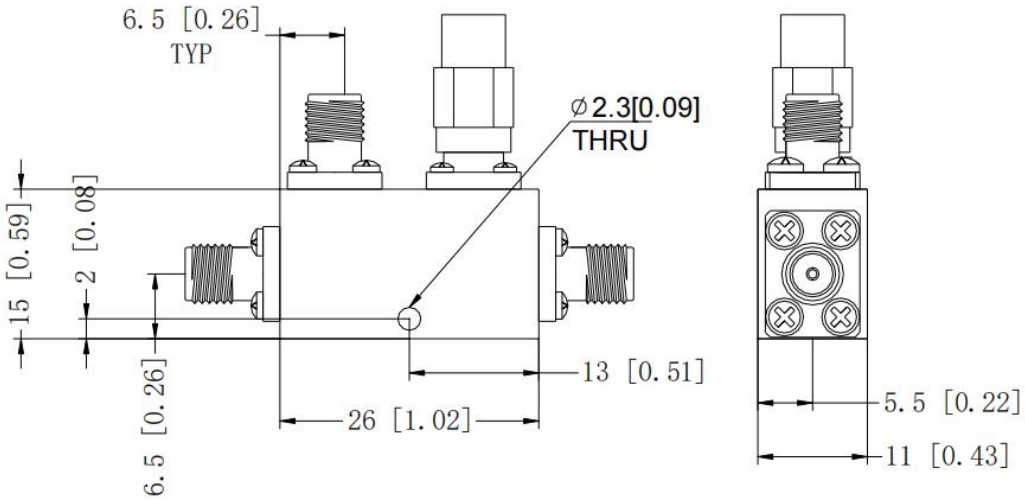
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55-+85	℃
Input/Output Connector	2.92mm Female/2.92mm Female	
Size	26*15*11	mm

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

Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TC-180400-20K	Coaxial Directional Coupler 18-40GHz, Coulping:20dB, 2.92mm Female	Rev.1.0