成都巨人微波
TITAN MICROWAVE INC.
- A Professional RF & Microwave Components Supplier -

Directional Coupler

TMDC-02005200-10220 2-52 GHz, 10.5dB, 20W, 2.4mm Female

FEATURES

- Wide Band Operation 2-52GHz
- Power Handle Capability up to 20W
- 10.5 dB Typical Coupling
- Low Insertion Loss

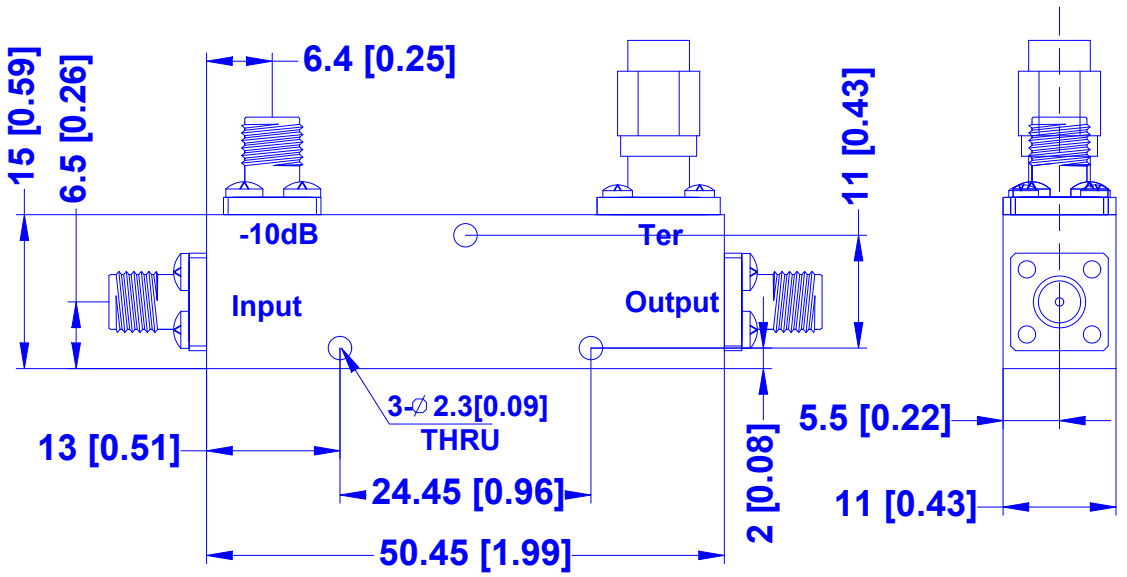
APPLICATIONS

- Frequency Measurements
- Signal Levelling, Signal Sampling
- Signal Injection
- Reflection Coefficient Measurements
- Measure incident and reflected power to determine VSWR

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	2	-	52	GHz
Impedance	-	50	-	Ohms
Nominal Coupling	9	10.5	12	dB
Frequency Sensitivity	-	±0.7	±1.25	dB
Directivity	10	12	-	dB
Insertion Loss(Excluding coupling loss)	-	-	2.0	dB
Insertion Loss(True)	-	2.5	3.0	dB
VSWR Primary	-	1.6	1.8	:1
VSWR Secondary	-	1.6	1.8	:1
Average Power	20			W
Peak Power	300(5% Duty Cycle, 1μs Pulse Width)			W
Operating Temperature	-40℃~+85℃			
Storage Temperature	-50℃~+105℃			
Input/Output Connectors	2.4mm female			
Weight	40g			
Surface Finishing	Gray Paint			
Material	Aluminum			

Outline Drawing [mm[inch]]



Tolerances ±0.5[0.02]