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

Dual Directional Coupler

TDDC-02000400-30N500 2-4 GHz, 30dB, 500W, N Female

FEATURES

- Wide Band Operation 2-4 GHz
- Power Handle Capability up to 500W
- 30 dB Typical Coupling
- Low Insertion Loss

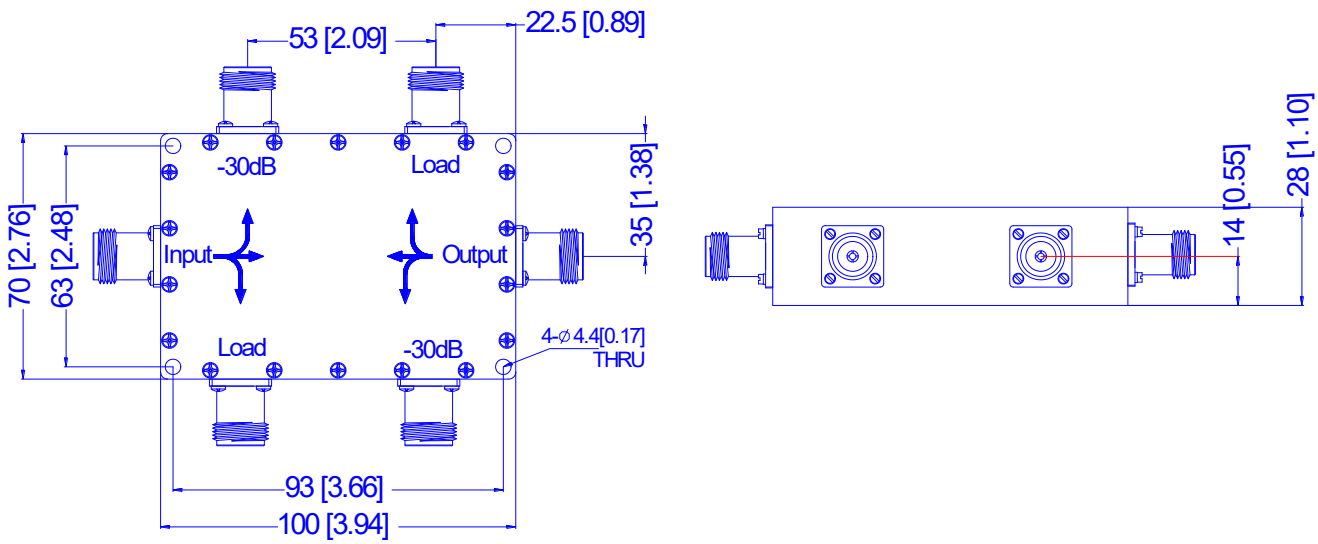
APPLICATIONS

- 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	-	4	GHz
Impedance		-	50	-	Ohms
Nominal Coupling		29.2	30	30.8	dB
Frequency Sensitivity		-	±0.3	±0.5	dB
Directivity		18	22	-	dB
Insertion Loss(Excluding coupling loss)		-	-	0.3	dB
VSWR Primary		-	1.15	1.2	:1
VSWR Secondary		-	1.15	1.2	:1
Power Handling	Average	-	-	500	W
	Peak	-	-	3	kW
Operating Temperature		-40	-	+85	℃
Storage Temperature		-50	-	+105	℃
Input/Output Connectors		N-Female			
Weight		550g max			
Dimensions		100×70×28mm			
Surface Finishing		Grey Paint			
Material		Aluminum			

Outline Drawing [mm[inch]]



Tolerances ±0.5[0.02]