

TDDC-01000800-30NS500 1-8GHz, 30dB Coup, 500W, N(f) & SMA(f)

FEATURES

- ❖ Wide Band Operation 1-8 GHz
- ❖ Power Handle Capability up to 500W
- ❖ 30 dB Typical Coupling
- ❖ Low Insertion Loss

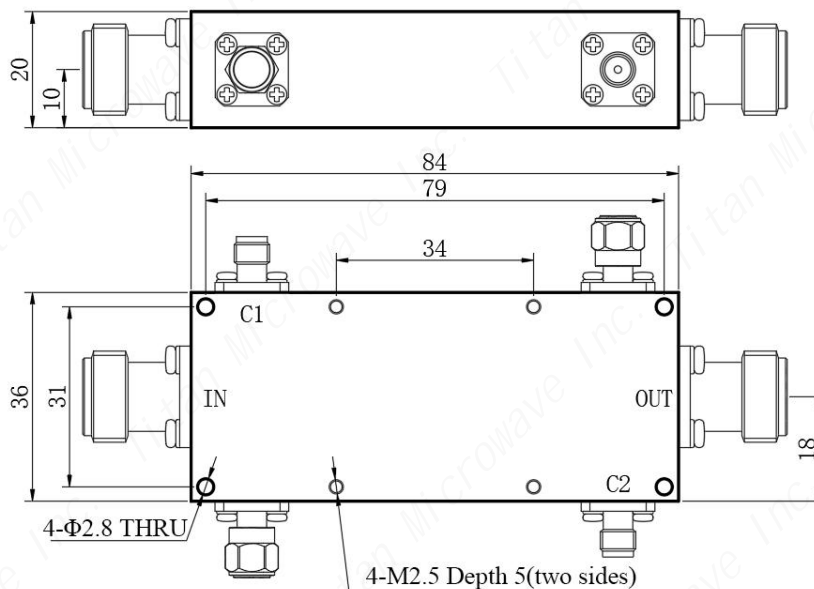
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	1	-	4	4	-	8	GHz
Impedance	-	50	-	-	50	-	Ohms
Nominal Coupling	28.5	30	31.5	28.5	30	31.5	dB
Coupling Flatness	-	-	±1	-	-	±1	dB
Directivity	22	-	-	21	-	-	dB
Insertion Loss	-	-	0.2	-	-	0.3	dB
VSWR Primary	-	-	1.2	-	-	1.25	:1
VSWR Secondary	-	-	1.3	-	-	1.3	:1
Power Handling	-	-	500	-	-	500	W
Operating Temperature	-40	-	-	-	-	+70	°C
Input/Output Connectors	N-Female						
Coupling Connectors	SMA-Female						
Dimensions	84×36×20mm						
Surface Finishing	Sandblasting Natural Color Conductive Oxidation						
Material	Aluminum 6061						

Outline Drawing [mm]



Tolerances ±0.5[0.02]