

**TMDC-08001800-30NS250 8-18 GHz, 30dB, 250W, N & SMA**

**FEATURES**

- ❖ Wide Band Operation 8-18 GHz
- ❖ Power Handle Capability up to 250W
- ❖ 30 dB Typical Coupling
- ❖ Low Insertion Loss

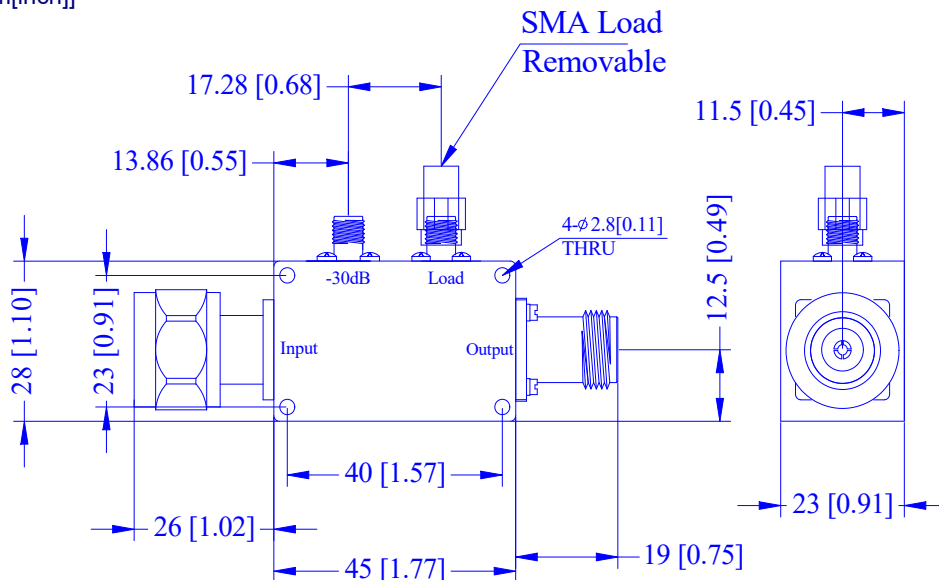
**APPLICATIONS**

- ❖ 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	8	-	18	GHz
Impedance	-	50	-	Ohms
Nominal Coupling	29	30	31	dB
Frequency Sensitivity	-	±0.5	±0.8	dB
Directivity	10	12	-	dB
Insertion Loss(Excluding coupling loss)	-	-	0.5	dB
Insertion Loss(True)	-	0.4	0.5	dB
VSWR Primary	-	1.4	1.5	:1
VSWR Secondary	-	1.3	1.5	:1
Average Power	-	-	250	W
Peak Power	2(10% Duty Cycle, 1μs Pulse Width)			kW
Operating Temperature	-40°C~+85°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	SMA female&N male/female			
Weight	135g			
Surface Finishing	Gray Paint			
Material	Aluminum			

**Outline Drawing [mm[inch]]**



Tolerances ±0.5[0.02]