

**TMDC-12401800-20S50 12.4-18 GHz, 20dB, 50W, SMA Female**

**FEATURES**

- ❖ Wide Band Operation 12.4-18 GHz
- ❖ Power Handle Capability up to 50W
- ❖ 20 dB Typical Coupling
- ❖ Low Insertion Loss

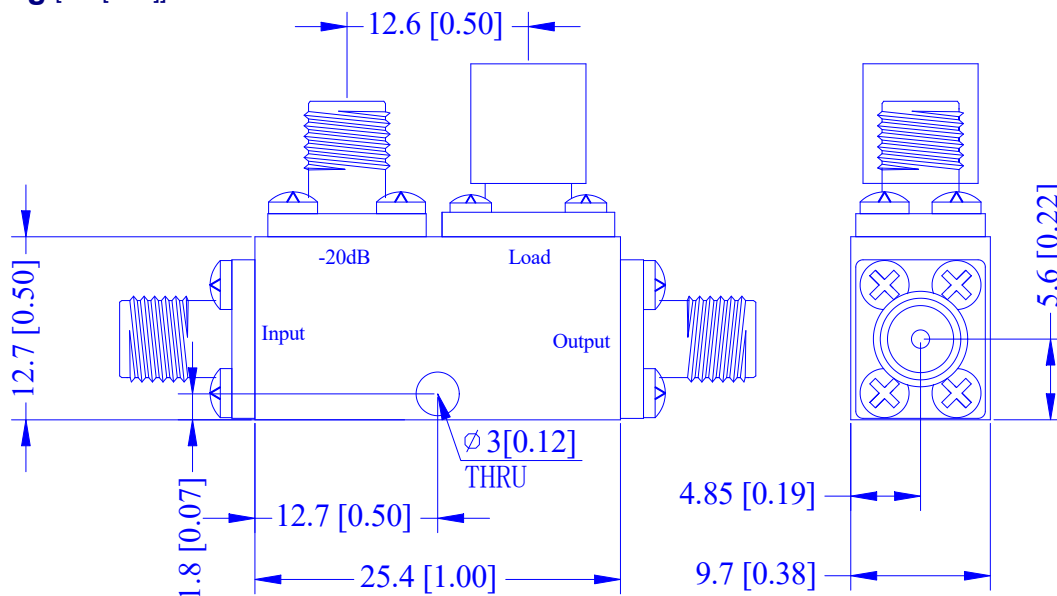
**APPLICATIONS**

- ❖ 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	12.4	-	18	GHz
Impedance	-	50	-	Ohms
Nominal Coupling	19	20	21	dB
Frequency Sensitivity	-	±0.25	±0.5	dB
Directivity	15	17	-	dB
Insertion Loss(Excluding coupling loss)	-	-	0.5	dB
Insertion Loss(True)	-	0.4	0.55	dB
VSWR Primary	-	1.3	1.35	:1
VSWR Secondary	-	1.3	1.4	:1
Average Power	50			W
Peak Power	1(1% Duty Cycle, 1µs Pulse Width)			kW
Operating Temperature	-40°C~+85°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	SMA female			
Weight	25g			
Surface Finishing	Gray Paint			
Material	Aluminum			

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



Tolerances  $\pm 0.5 [0.02]$