

**TMDC-02000800-10S50 2-8 GHz, 10dB, 50W, SMA Female**

**FEATURES**

- ❖ Wide Band Operation 2-8 GHz
- ❖ Power Handle Capability up to 50W
- ❖ 10 dB Typical Coupling
- ❖ Low Insertion Loss

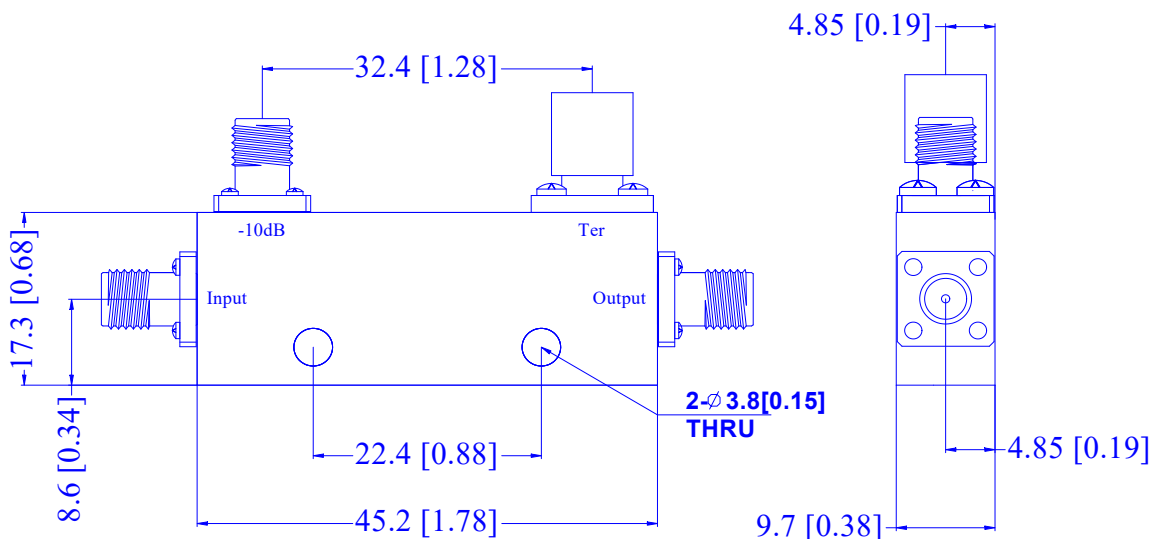
**APPLICATIONS**

- ❖ 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	2	-	4	4	-	8	GHz
Impedance	-	50	-	-	50	-	Ohms
Nominal Coupling	9	10	11	9	10	11	dB
Frequency Sensitivity	-	±0.3	±0.5	-	±0.35	±0.5	dB
Directivity	20	24	-	20	22	-	dB
Insertion Loss(Excluding coupling loss)	-	-	0.35	-	-	0.35	dB
Insertion Loss(True)	-	0.7	1.0	-	0.7	1.0	dB
VSWR Primary	-	1.15	1.2	-	1.15	1.2	:1
VSWR Secondary	-	1.15	1.2	-	1.15	1.2	:1
Average Power	50						W
Peak Power	3(1% Duty Cycle, 1µs Pulse Width)						kW
Operating Temperature	-40°C~+85°C						
Storage Temperature	-50°C~+105°C						
Input/Output Connectors	SMA female(Stainless Steel)						
Weight	40g max						
Surface Finishing	Gray Plated						
Material	Aluminum						

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



Tolerances ±0.5[0.02]