

**TMDC-00501800-10N50 0.5-18 GHz, 10dB, 50W, N Female**

**FEATURES**

- ❖ Wide Band Operation 0.5-18 GHz
- ❖ Power Handle Capability up to 50W
- ❖ 10 dB Typical Coupling
- ❖ Low Insertion Loss

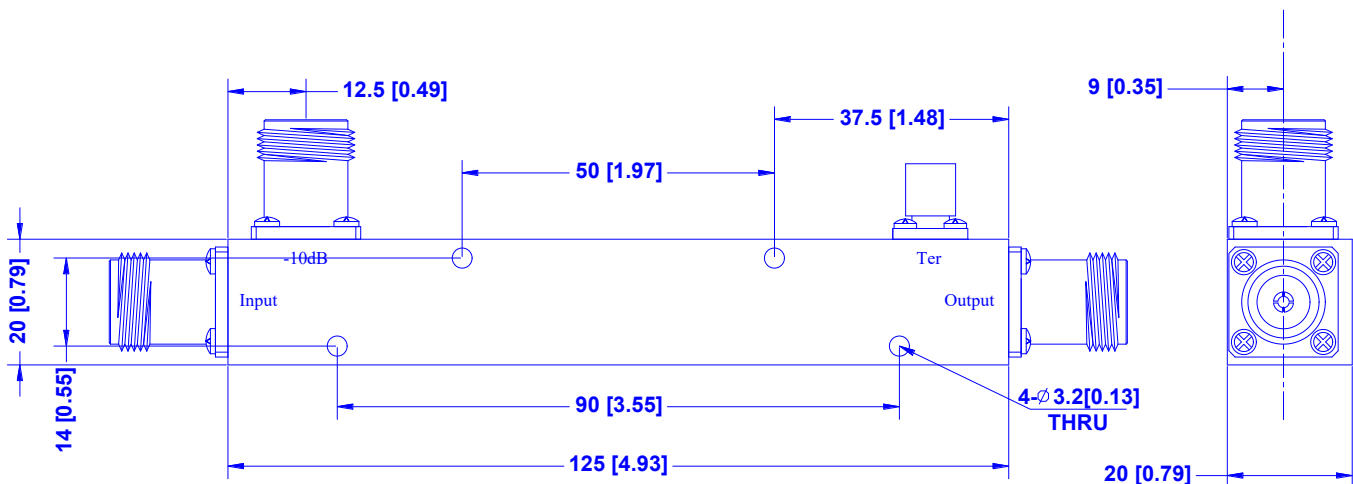
**APPLICATIONS**

- ❖ 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	0.5	-	6	6	-	18	GHz
Impedance	-	50	-	-	50	-	Ohms
Nominal Coupling	9	10	11.5	9	10	11.5	dB
Frequency Sensitivity	-	±0.7	±1.0	-	±0.7	±1.0	dB
Directivity	15	18	-	10	12	-	dB
Insertion Loss(Excluding Coupling)	-	-	0.7	-	-	1.3	dB
Insertion Loss(True)	-	0.8	1.2	-	1.4	1.8	dB
VSWR Primary	-	1.3	1.6	-	1.4	1.6	:1
VSWR Secondary	-	1.3	1.6	-	1.4	1.6	:1
Average Power	50						W
Peak Power	500(10% Duty Cycle, 1μs Pulse Width)						W
Operating Temperature	-40°C~+85°C						
Storage Temperature	-50°C~+105°C						
Input/Output Connectors	N female						
Weight	205g max						
Surface Finishing	Gray Plated						
Material	Aluminum						

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



Tolerances ±0.5[0.02]