

TMDC-00500500-10S50 0.5-5 GHz, 10dB, 50W, SMA Female

FEATURES

- ❖ Wide Band Operation 0.5-5 GHz
- ❖ Power Handle Capability up to 50W
- ❖ 10 dB Typical Coupling
- ❖ Low Insertion Loss

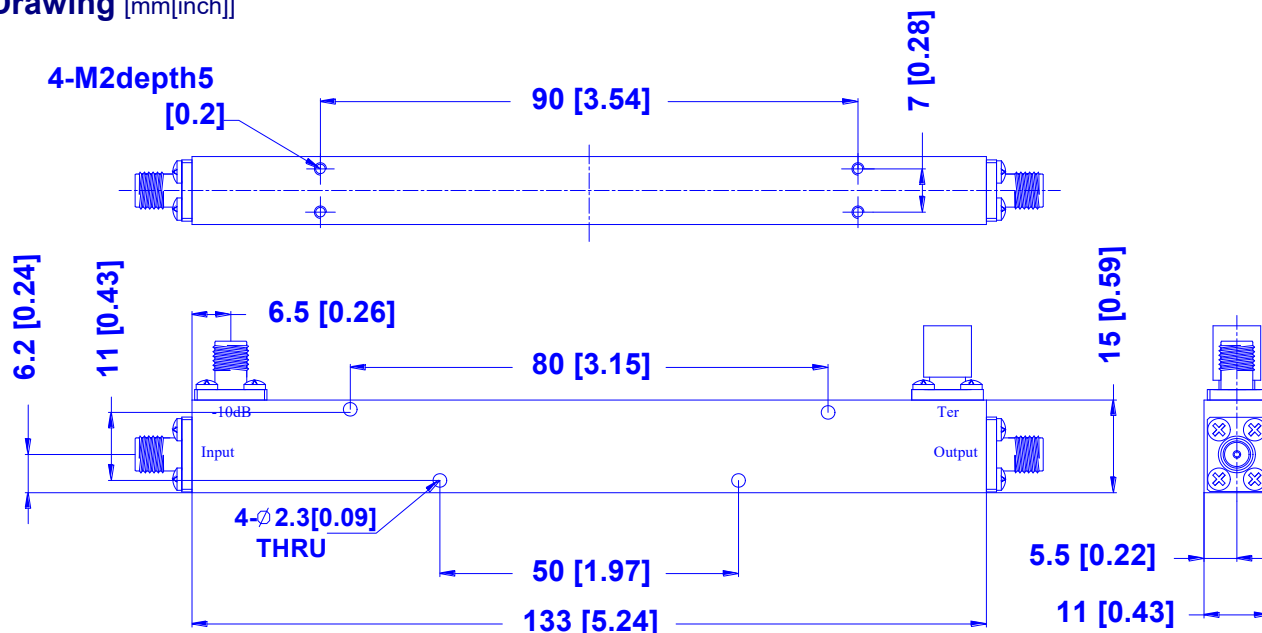
APPLICATIONS

- ❖ 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	-	5	0.5	-	3	GHz
Impedance	-	50	-	-	50	-	Ohms
Nominal Coupling	9	10	11	9	10	11	dB
Frequency Sensitivity	-	±0.3	±0.5	-	±0.2	±0.3	dB
Directivity	20	22	-	20	23	-	dB
Insertion Loss(Excluding Coupling)	-	-	0.5	-	-	0.5	dB
Insertion Loss(True)	-	0.9	1.2	-	0.7	1.2	dB
VSWR Primary	-	1.15	1.2	-	1.1	1.2	:1
VSWR Secondary	-	1.15	1.2	-	1.1	1.2	:1
Average Power	50						W
Peak Power	1						kW
Operating Temperature	-40°C~+85°C						
Storage Temperature	-50°C~+105°C						
Input/Output Connectors	SMA female						
Weight	70g max						
Surface Finishing	Gray Plated						
Material	Aluminum						

Outline Drawing [mm[inch]]



Tolerances ±0.5[0.02]