

TMDC-01001800-10S50 1-18 GHz, 10dB, 50W, SMA Female

FEATURES

- ❖ Wide Band Operation 1-18 GHz
- ❖ Power Handle Capability up to 50W
- ❖ 10 dB Typical Coupling
- ❖ Low Insertion Loss

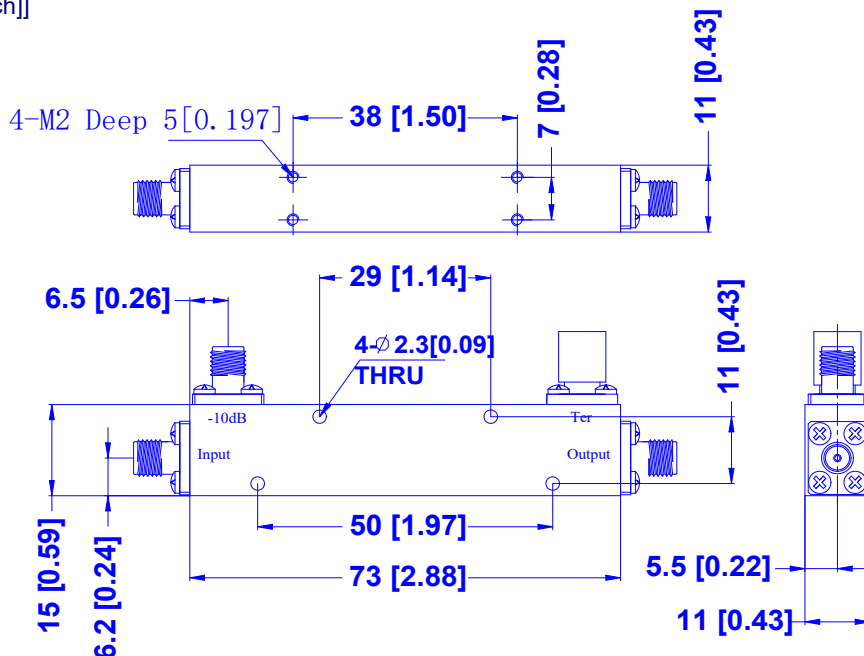
APPLICATIONS

- ❖ 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	1	-	6	6	-	18	GHz
Impedance	-	50	-	-	50	-	Ohms
Nominal Coupling	9	10	11	9	10	11	dB
Frequency Sensitivity	-	±0.5	±0.7	-	±0.7	±1.0	dB
Directivity	16	20	-	12	14	-	dB
Insertion Loss(Excluding Coupling)	-	-	0.5	-	-	0.6	dB
Insertion Loss(True)	-	0.7	0.9	-	0.9	1.1	dB
VSWR Primary	-	1.2	1.35	-	1.3	1.5	:1
VSWR Secondary	-	1.2	1.35	-	1.4	1.5	:1
Average Power	50						W
Peak Power	500(1% Duty Cycle, 1µs Pulse Width)						W
Operating Temperature	-40°C~+85°C						
Storage Temperature	-50°C~+105°C						
Input/Output Connectors	SMA female						
Weight	50g max						
Surface Finishing	Gray Plated						
Material	Aluminum						

Outline Drawing [mm[inch]]



Tolerances ± 0.5 [0.02]