

TMDC-00500300-30S50 0.5-3 GHz, 30dB, 50W, SMA Female

FEATURES

- ❖ Wide Band Operation 0.5-3 GHz
- ❖ Power Handle Capability up to 50W
- ❖ 30 dB Typical Coupling
- ❖ Low Insertion Loss

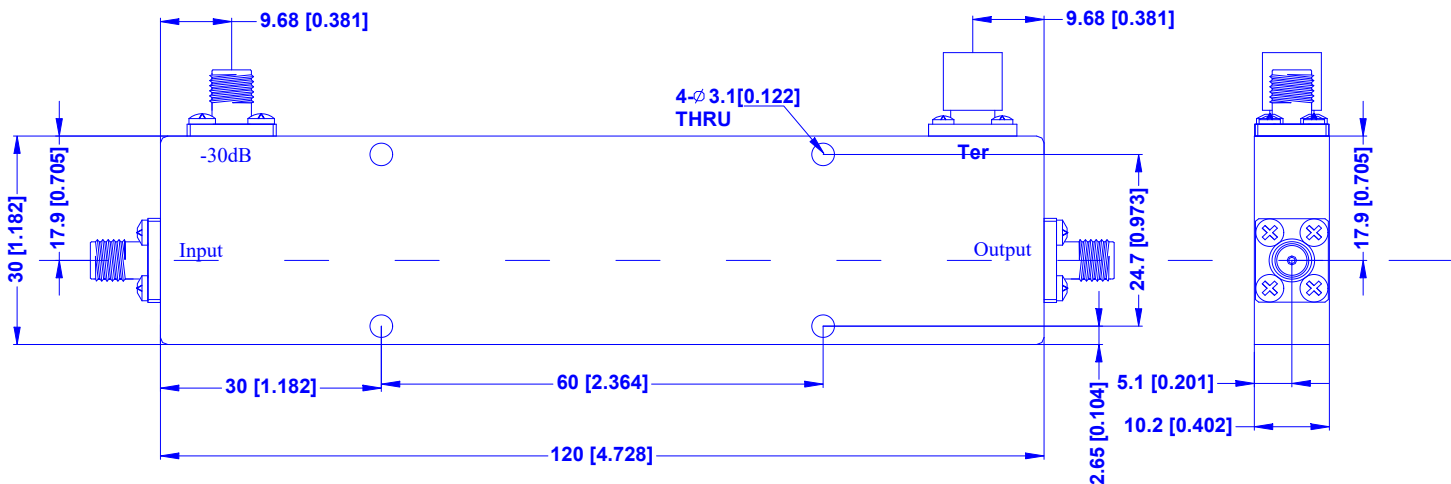
APPLICATIONS

- ❖ 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	0.5	-	3	GHz
Impedance	-	50	-	Ohms
Nominal Coupling	28.5	30	31.5	dB
Frequency Sensitivity	-	±0.7	±1.0	dB
Directivity	18	20	-	dB
Insertion Loss(Excluding Coupling)	-	-	0.45	dB
Insertion Loss(True)	-	0.25	0.45	dB
VSWR Primary	-	1.1	1.25	:1
VSWR Secondary	-	1.1	1.25	:1
Average Power	50			W
Peak Power	1(5% Duty Cycle, 1µs Pulse Width)			kW
Operating Temperature	-40°C~+85°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	SMA female			
Weight	110g max			
Surface Finishing	Gray Plated			
Material	Aluminum			

Outline Drawing [mm[inch]]



Tolerances ±0.5[0.02]