

TMDC-07001600-30S50 7-16 GHz, 30dB, 50W, SMA Female

FEATURES

- ❖ Wide Band Operation 7-16 GHz
- ❖ Power Handle Capability up to 50W
- ❖ 30 dB Typical Coupling
- ❖ Low Insertion Loss

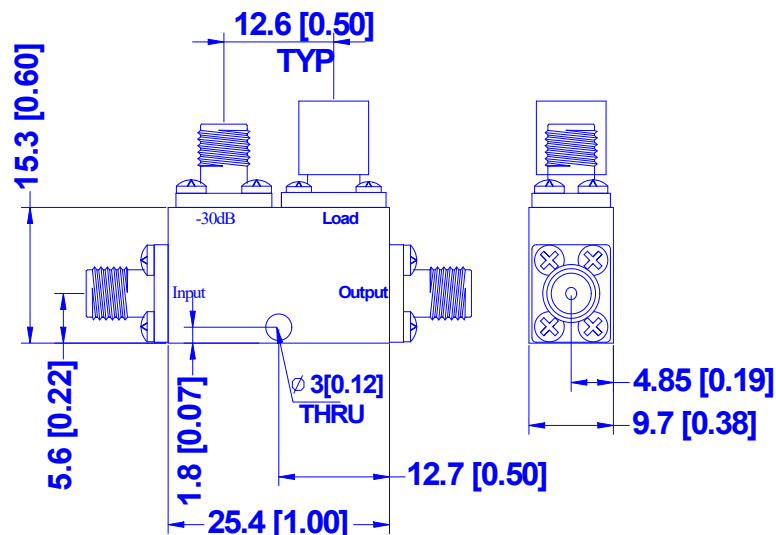
APPLICATIONS

- ❖ Frequency Measurements
- ❖ Signal Levelling, Signal Sampling
- ❖ Signal Injection
- ❖ Reflection Coefficient Measurements
- ❖ Measure incident and reflected power to determine VSWR

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	7	-	12.4	12.4	-	16	GHz
Impedance	-	50	-	-	50	-	Ohms
Nominal Coupling	29	30	31	29	30	31	dB
Frequency Sensitivity	-	±0.3	±0.5	-	±0.3	±0.5	dB
Directivity	15	17	-	12	15	-	dB
Insertion Loss(Excluding coupling loss)	-	-	0.3	-	-	0.4	dB
Insertion Loss(True)	-	0.25	0.35	-	0.35	0.45	dB
VSWR Primary	-	1.25	1.3	-	1.3	1.4	:1
VSWR Secondary	-	1.25	1.3	-	1.3	1.4	: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	25g						
Surface Finishing	Gray Paint						
Material	Aluminum						

Outline Drawing [mm[inch]]



Tolerances ±0.5[0.02]