

TMDC-01004000-30K30 1-40 GHz, 30dB, 30W, 2.92mm Female

FEATURES

- ❖ Wide Band Operation 1-40 GHz
- ❖ Power Handle Capability up to 30W
- ❖ 30 dB Typical Coupling
- ❖ Low Insertion Loss

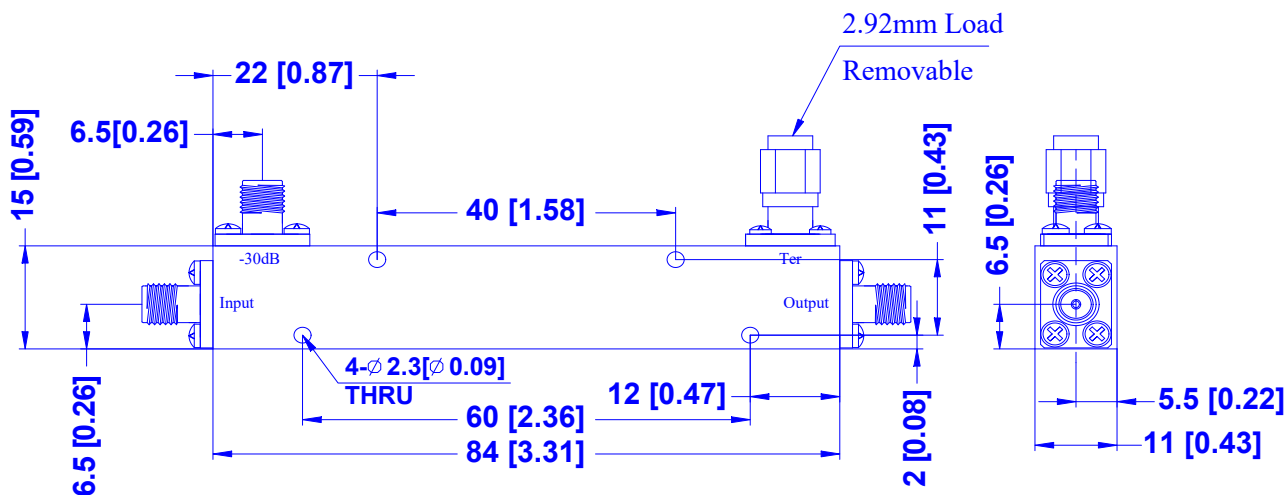
APPLICATIONS

- ❖ 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.	Min.	Typ.	Max.	Units
Frequency Range	1	-	6	6	-	18	18	-	40	GHz
Impedance	-	50	-	-	50	-	-	50	-	Ohms
Nominal Coupling	29	30	31.5	29	30	31.5	29	30	31.5	dB
Frequency Sensitivity	-	±0.8	±1.0	-	±0.6	±1.0	-	±0.6	±1.0	dB
Directivity	15	18	-	12	14	-	10	12	-	dB
Insertion Loss(Excluding Coupling)	-	-	1.0	-	-	1.2	-	-	2.0	dB
Insertion Loss(True)	-	0.6	1.0	-	0.9	1.2	-	1.6	2.0	dB
VSWR Primary	-	1.25	1.3	-	1.3	1.5	-	1.4	1.6	:1
VSWR Secondary	-	1.25	1.3	-	1.3	1.5	-	1.4	1.6	:1
Average Power	30									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	2.92mm female(Stainless Steel)									
Weight	60g max									
Surface Finishing	Gray Paint									
Material	Aluminum									

Outline Drawing [mm[inch]]



Tolerances ±0.5[0.02]