

TMDC-00500250-30S50 0.5-2.5 GHz, 30dB, 50W, SMA Female

FEATURES

- ❖ Wide Band Operation 0.5-2.5 GHz
- ❖ High Power Handle Capability up to 50W
- ❖ 30 dB Nominal Coupling
- ❖ Low Insertion Loss

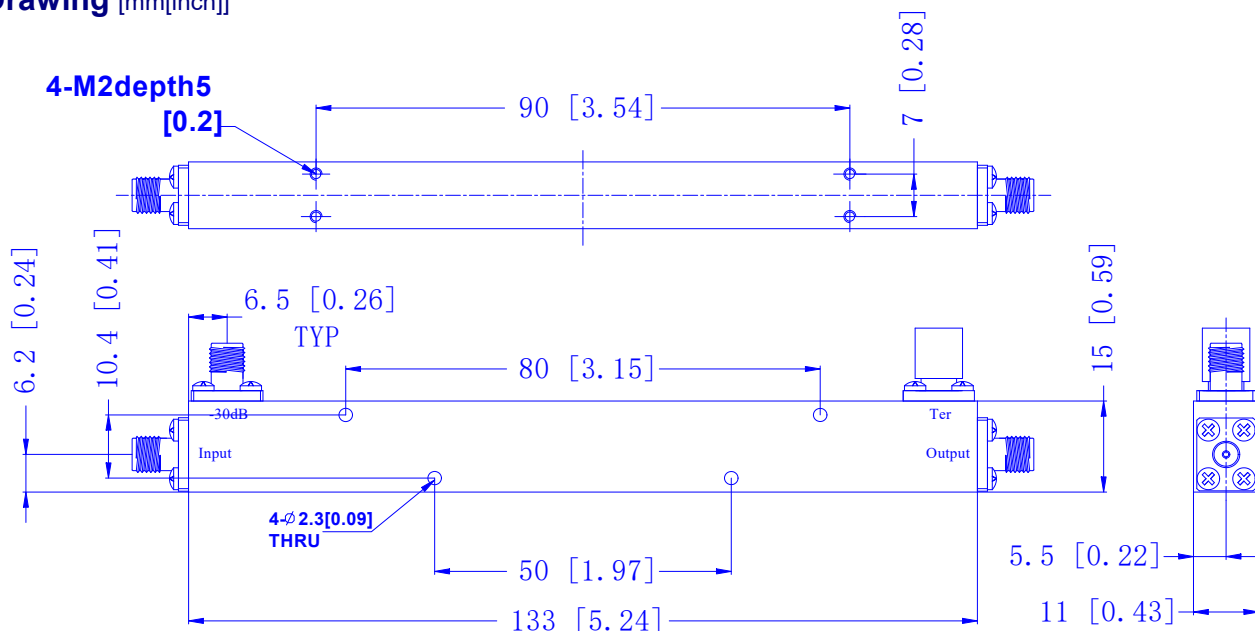
APPLICATIONS

- ❖ 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 | - | 2.5 | GHz |
| Impedance | - | 50 | - | Ohms |
| Nominal Coupling | 29 | 30 | 31 | dB |
| Frequency Sensitivity | - | ±0.7 | ±1.0 | dB |
| Directivity | 20 | 23 | - | dB |
| Insertion Loss(Excluding Coupling) | - | - | 0.4 | dB |
| Insertion Loss(True) | - | 0.25 | 0.4 | dB |
| VSWR Primary | - | 1.15 | 1.2 | :1 |
| VSWR Secondary | - | 1.15 | 1.2 | :1 |
| Average Power | 50 | | | W |
| Peak Power | 1(10% Duty Cycle, 1µs Pulse Width) | | | kW |
| Operating Temperature | -40°C~+85°C | | | |
| Storage Temperature | -50°C~+105°C | | | |
| Input/Output Connectors | SMA female | | | |
| Weight | 90g max | | | |
| Surface Finishing | Gray Paint | | | |
| Material | Aluminum | | | |

Outline Drawing [mm[inch]]



Tolerances ±0.5[0.02]