

**TDDC-08001600-30S50 8-16 GHz, 30dB, 50W, SMA Female**

**FEATURES**

- ❖ Wide Band Operation 8-16 GHz
- ❖ Power Handle Capability up to 50W
- ❖ 30 dB Typical Coupling
- ❖ Low Insertion Loss

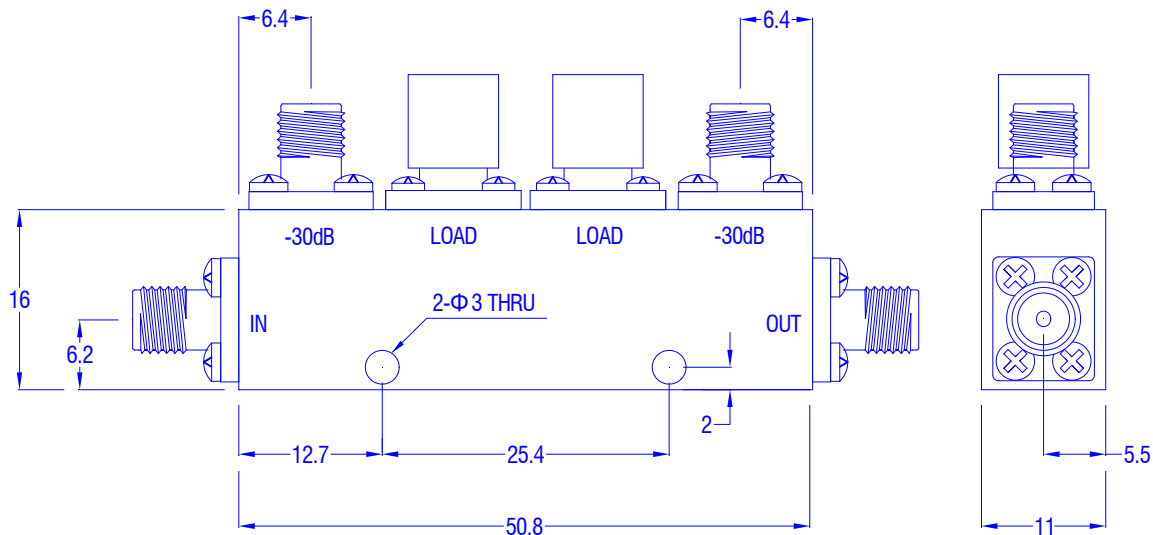
**APPLICATIONS**

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

**SPECIFICATIONS**

| Parameters              | Min.             | Typ. | Max.  | Units |
|-------------------------|------------------|------|-------|-------|
| Frequency Range         | 8                | -    | 16    | GHz   |
| Impedance               | -                | 50   | -     | Ohms  |
| Nominal Coupling        | 28.75            | 30   | 31.25 | dB    |
| Frequency Sensitivity   | -                | -    | ±0.8  | dB    |
| Directivity             | 11               | 13   | -     | dB    |
| Insertion Loss          | -                | -    | 1.0   | dB    |
| VSWR Primary            | -                | 1.4  | 1.5   | :1    |
| VSWR Secondary          | -                | 1.4  | 1.5   | :1    |
| Power Handling          | Incident         | -    | 50    | W     |
|                         | Peak             | -    | 2     | kW    |
| Operating Temperature   | -40              | -    | +85   | °C    |
| Storage Temperature     | -50              | -    | +105  | °C    |
| Input/Output Connectors | SMA-Female       |      |       |       |
| Dimensions              | 50.8×16×11mm     |      |       |       |
| Surface Finishing       | Black/Blue Paint |      |       |       |
| Material                | Aluminum         |      |       |       |

**Outline Drawing [mm]**



Tolerances ±0.5[0.02]