成都巨人微波
TITAN MICROWAVE INC.
- A Professional RF & Microwave Components Supplier -

# Dual Directional Coupler

## TDDC-02001800-16S20 2-18 GHz, 16dB, 20W, SMA Female

### FEATURES

- Wide Band Operation 2-18 GHz
- Power Handle Capability up to 20W
- 16 dB Typical Coupling
- Low Insertion Loss

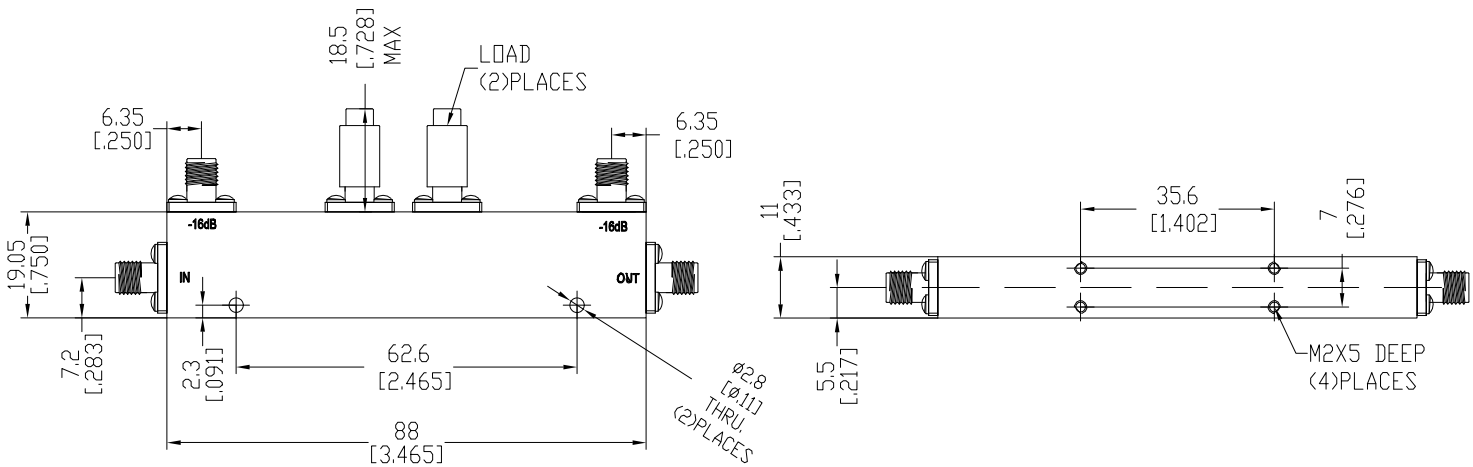
### APPLICATIONS

- 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 | | 2 | - | 18 | GHz |
| Impedance | | - | 50 | - | Ohms |
| Nominal Coupling | | 15 | 16 | 17 | dB |
| Frequency Sensitivity | | - | - | ±1.0 | dB |
| Directivity | | 12 | - | - | dB |
| Insertion Loss(Excluding coupling loss 0.22dB) | | - | - | 1.6 | dB |
| VSWR Primary | | - | - | 1.5 | :1 |
| VSWR Secondary | | - | - | 1.5 | :1 |
| Power Handling | Incident | - | - | 20 | W |
| | Reflected | - | - | 20 | W |
| Operating Temperature | | -40 | - | +85 | ℃ |
| Storage Temperature | | -50 | - | +105 | ℃ |
| Input/Output Connectors | | SMA-Female | | | |
| Weight | | 70g | | | |
| Dimensions | | 88mm×19.05mm×11mm | | | |
| Surface Finishing | | Black/Blue Paint | | | |
| Material | | Aluminum | | | |

### Outline Drawing [mm[inch]]




Tolerances ±0.5[0.02]