

**TMDC-04005000-10420 4-50 GHz, 10dB, 20W, 2.4mm Female**

**FEATURES**

- ❖ Wide Band Operation 4-50 GHz
- ❖ Power Handle Capability up to 20W
- ❖ 10 dB Typical Coupling
- ❖ Low Insertion Loss

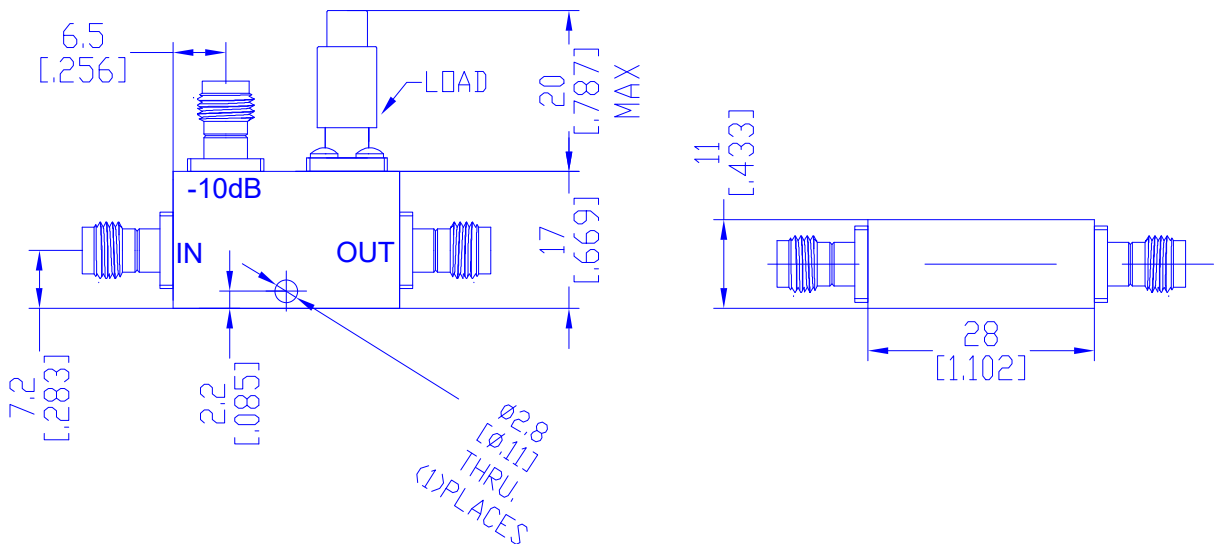
**APPLICATIONS**

- ❖ 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                                | 4                          | -    | 50   | GHz   |
| Impedance                                      | -                          | 50   | -    | Ohms  |
| Nominal Coupling                               | 9                          | 10   | 11   | dB    |
| Frequency Sensitivity                          | -                          | -    | ±1.0 | dB    |
| Directivity                                    | 8                          | -    | -    | dB    |
| Insertion Loss(Excluding coupling loss 0.46dB) | -                          | -    | 1.8  | dB    |
| VSWR Primary                                   | -                          | -    | 1.7  | :1    |
| VSWR Secondary                                 | -                          | -    | 1.9  | :1    |
| Power Handling                                 | Incident                   | -    | 20   | W     |
|  | Reflected                  | -    | 1    | W     |
| Operating Temperature                          | -55                        | -    | +85  | °C    |
| Input/Output Connectors                        | 2.4mm-Female               |      |      |       |
| Connector Body                                 | Passivated Stainless Steel |      |      |       |
| Weight   | 30g                        |      |      |       |
| Surface Finishing                              | Black/Blue Paint           |      |      |       |
| Material                                       | Aluminum                   |      |      |       |

**Outline Drawing [mm[inch]]**



Tolerances ±0.5[0.02]