

**TMDC-27003100-10K30 27-31 GHz, 10dB, 30W, 2.92mm Female**

**FEATURES**

- ❖ Wide Band Operation 27-31 GHz
- ❖ Power Handle Capability up to 30W
- ❖ 10 dB Typical Coupling
- ❖ Low Insertion Loss

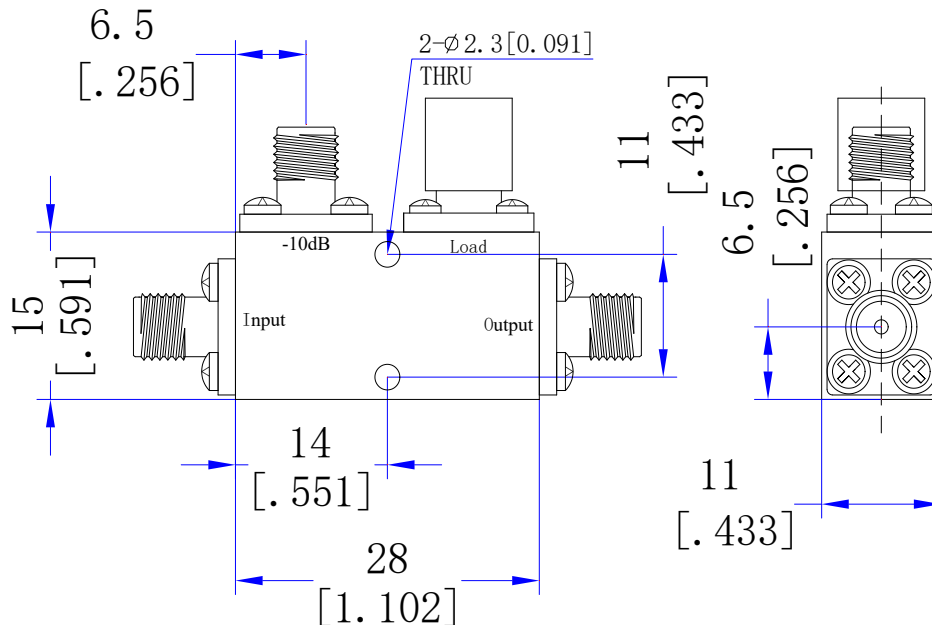
**APPLICATIONS**

- ❖ 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         | 27            | -    | 31   | GHz   |
| Impedance               | -             | 50   | -    | Ohms  |
| Nominal Coupling        | 9             | 10   | 11   | dB    |
| Frequency Sensitivity   | -             | ±0.9 | ±1.0 | dB    |
| Directivity             | 12            | -    | -    | dB    |
| Insertion Loss          | -             | -    | 1.6  | dB    |
| VSWR Primary            | -             | 1.4  | 1.6  | :1    |
| VSWR Secondary          | -             | 1.4  | 1.6  | :1    |
| Average Power           | 30            |      |      | W     |
| Operating Temperature   | -45°C~+85°C   |      |      |       |
| Storage Temperature     | -50°C~+105°C  |      |      |       |
| Input/Output Connectors | 2.92mm female |      |      |       |
| Weight                  | 30g           |      |      |       |
| Surface Finishing       | Black Paint   |      |      |       |
| Material                | Aluminum      |      |      |       |

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



Tolerances ±0.5[0.02]