

**TMDC-00504000-10K20 0.5-40 GHz, 10dB, 20W, 2.92mm Female**

**FEATURES**

- ❖ Wide Band Operation 0.5-40 GHz
- ❖ Power Handle Capability up to 20W
- ❖ 10 dB Typical Coupling
- ❖ Low Insertion Loss

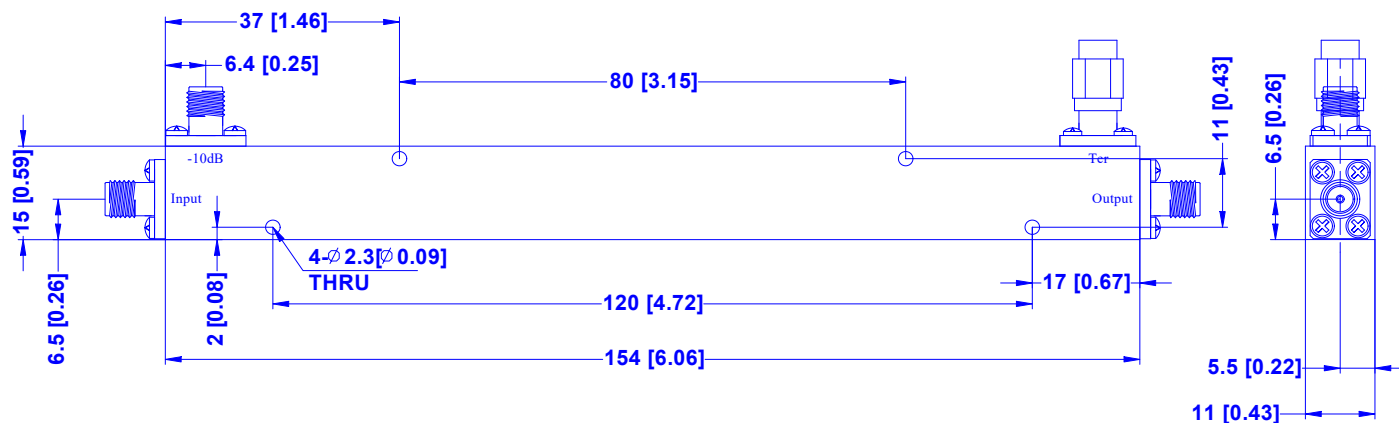
**APPLICATIONS**

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

**SPECIFICATIONS**

| Parameters                         | Min.                                 | Typ. | Max. | Min. | Typ. | Max. | Units |
|------------------------------------|--------------------------------------|------|------|------|------|------|-------|
| Frequency Range                    | 0.5                                  | -    | 18   | 18   | -    | 40   | GHz   |
| Impedance                          | -                                    | 50   | -    | -    | 50   | -    | Ohms  |
| Nominal Coupling                   | 8.5                                  | 10   | 11.5 | 8.5  | 10   | 11.5 | dB    |
| Frequency Sensitivity              | -                                    | ±0.7 | ±1.0 | -    | ±0.7 | ±1.0 | dB    |
| Directivity                        | 12                                   | 14   | -    | 8    | 10   | -    | dB    |
| Insertion Loss(Excluding Coupling) | -                                    | -    | 2.0  | -    | -    | 3.5  | dB    |
| Insertion Loss(True)               | -                                    | 2.3  | 2.5  | -    | 3.8  | 4.0  | dB    |
| VSWR Primary                       | -                                    | 1.4  | 1.5  | -    | 1.6  | 1.7  | :1    |
| VSWR Secondary                     | -                                    | 1.4  | 1.5  | -    | 1.6  | 1.7  | :1    |
| Average Power                      | 20                                   |      |      |      |      |      | W     |
| Peak Power                         | 200(10% Duty Cycle, 1μs Pulse Width) |      |      |      |      |      | W     |
| Operating Temperature              | -40°C~+85°C                          |      |      |      |      |      |       |
| Storage Temperature                | -50°C~+105°C                         |      |      |      |      |      |       |
| Input/Output Connectors            | 2.92mm female                        |      |      |      |      |      |       |
| Weight                             | 100g max                             |      |      |      |      |      |       |
| Surface Finishing                  | Gray Plated                          |      |      |      |      |      |       |
| Material                           | Aluminum                             |      |      |      |      |      |       |

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



Tolerances ±0.5[0.02]