

**TMHC90-00500800-50S 0.5-8 GHz, 50W, SMA Female**

**FEATURES**

- ❖ Wide Band Operation 0.5-8 GHz
- ❖ Power Handle Capability up to 50W
- ❖ High Isolation Across Operational Band
- ❖ Low Insertion Loss
- ❖ Stable Performance Over Temperature

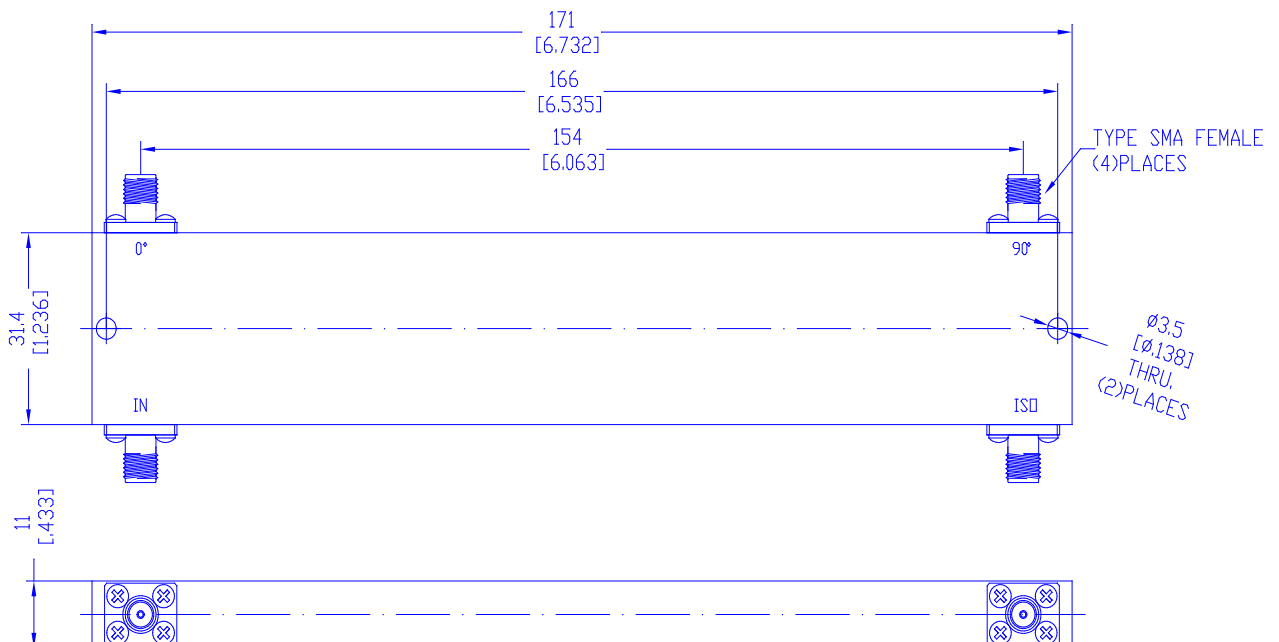
**APPLICATIONS**

- ❖ Commercial Wireless Communications
- ❖ Radar Systems
- ❖ Receivers Systems
- ❖ Antenna Beam Forming
- ❖ Test Labs

**SPECIFICATIONS**

| Parameters              | Min.             | Typ. | Max. | Units |
|-------------------------|------------------|------|------|-------|
| Frequency Range         | 0.5              | -    | 8    | GHz   |
| Impedance               | -                | 50   | -    | Ohms  |
| Nominal Split           | -                | 3.01 | -    | dB    |
| Insertion Loss          | -                | -    | 1.3  | dB    |
| Isolation               | 20               | -    | -    | dB    |
| Amplitude Balance       | -                | -    | ±0.6 | dB    |
| Phase Balance           | -                | -    | ±5   | Deg   |
| VSWR                    | -                | -    | 1.3  | :1    |
| Average Power           | -                | -    | 50   | W     |
| Peak Power              | -                | -    | 1    | kW    |
| Operating Temperature   | -40°C~+85°C      |      |      |       |
| Storage Temperature     | -50°C~+105°C     |      |      |       |
| Input/Output Connectors | SMA female       |      |      |       |
| Weight                  | 160g             |      |      |       |
| Surface Finishing       | Black/Blue Paint |      |      |       |
| Material                | Aluminum         |      |      |       |

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



Tolerances ±0.5[0.02]