

## Features

- Nominal Coupling 20dB
- Low Coupling Balance  $\pm 1$ dB
- Low Insertion Loss 0.5dB
- RoHS and REACH Compliant
- High Directivity 15dB

## Electrical Specifications

| Description           | Units        | Minimum | Typical | Maximum |
|-----------------------|--------------|---------|---------|---------|
| Freq. Range           | GHz          | 7       |         | 9       |
| Nominal Coupling      | dB           |         | 20      |         |
| Coupling Balance      | dB           |         | $\pm 1$ |         |
| Insertion Loss (True) | dB           |         |         | 0.5     |
| Freq. Flatness        | dB           |         |         | 1.4     |
| Main Line VSWR        |              |         |         | 1.3     |
| Secondary Line VSWR   |              |         |         | 1.3     |
| Directivity           | dB           | 15      |         |         |
| Input Power (CW)      | W            |         |         | 30      |
| Input Power (Peak)    | KW           |         |         | 0.5     |
| Impedance             | Ohms         |         | 50      |         |
| Operating Temp.       | $^{\circ}$ C | -45     |         | +85     |

## Special Requirements

## Note

- Electronic Specification Note : Values at 25deg , sea level. Test indicators will deteriorate at high and low temperature ;
- Insertion Loss Including Nominal Coupling Loss 0.04 dB. ;
- Relative Humidity 5 to 95% ;

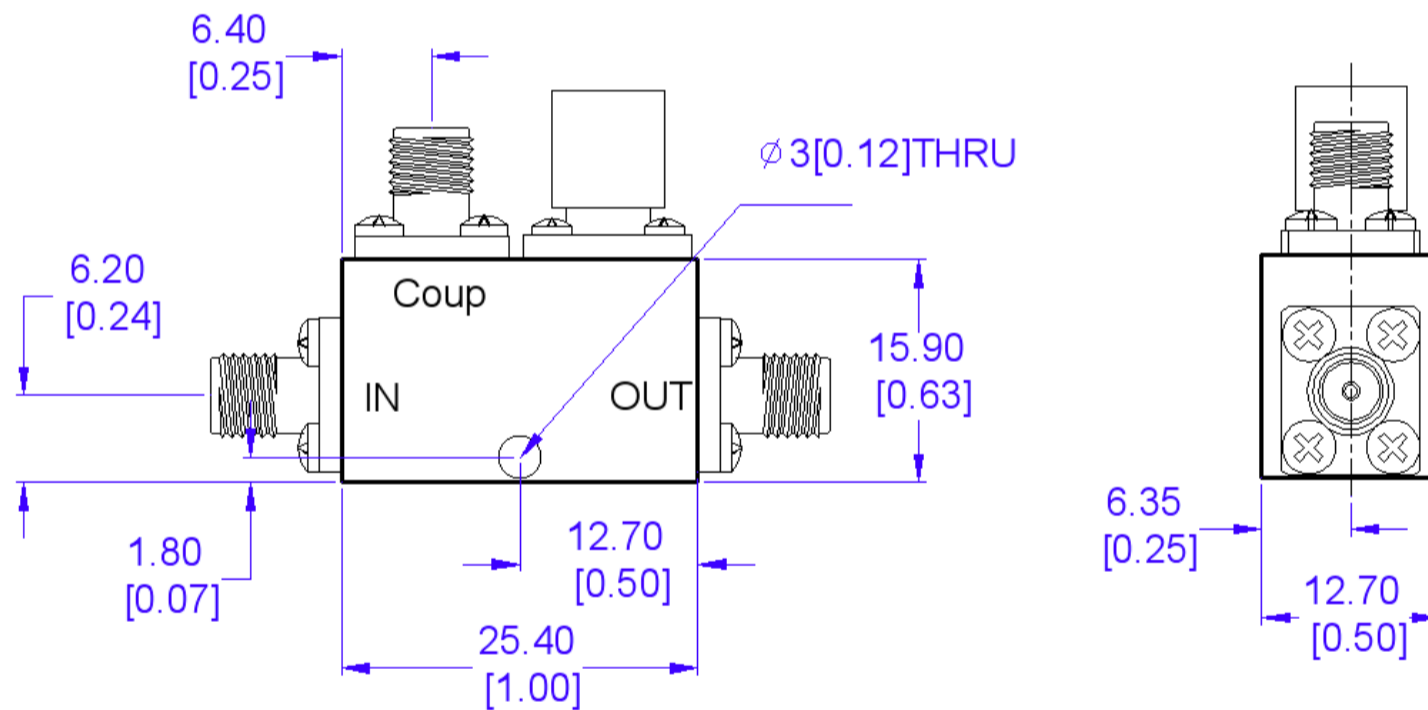
**Mechanical Specifications**

|                   |                            |
|-------------------|----------------------------|
| Dimension L*W*H   | 25.4*15.9*12.7 mm          |
| Input Connector   | SMA-Female Stainless Steel |
| Output Connectors | SMA-Female Stainless Steel |
| Weight            | 40 g                       |
| Finishing         | Paint Black                |
| Environment       | Nominal                    |

**Compliance Certifications**

|                 |   |
|-----------------|---|
| RoHS Compliant  | ✓ |
| REACH Compliant | ✓ |

**CAD Drawing**



Dimensions are in mm [Inches]  
 Tolerances : Outline drawing: ±0.2 [0.008]  
 Hole: ±0.2 [0.008]