# Amtery

Quick Delivery. Reliable Quality. Instant Service

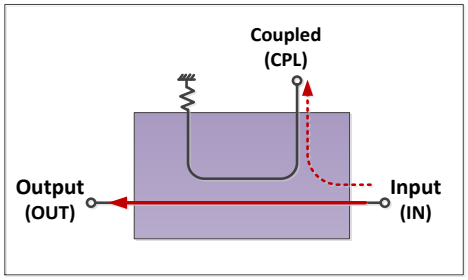
# CP10008A-10

Directional Coupler 0.5 – 8 GHz




**RoHS Compliant**

**Electrical schematic**

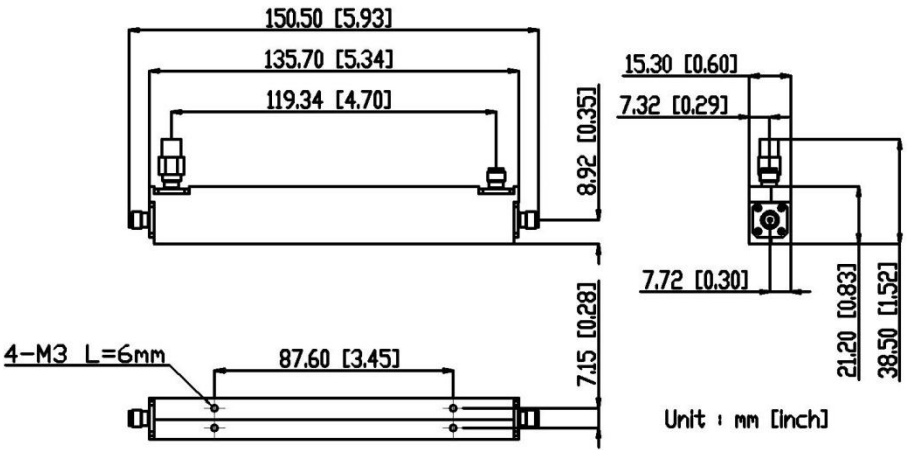



## Electrical Specifications

| Parameter | Unit | Frequency (GHz) | Min. | Typ. | Max. |
|---|---|---|---|---|---|
| **Nominal Coupling** | dB | 0.5 – 8 | 9 | 10 | 11 |
| **Coupling Flatness** | dB | | | ±0.7 | ±1.1 |
| **Directivity** | dB | | 20 | 23 | |
| **Main Line VSWR** | :1 | | | 1.15 | 1.25 |
| **Coupled Line VSWR** | :1 | | | 1.15 | 1.25 |
| **Insertion Loss (Including Coupling Loss)** | dB | | | 1.3 | 1.7 |
| **Average Power Handling** | W | | | | 20 |

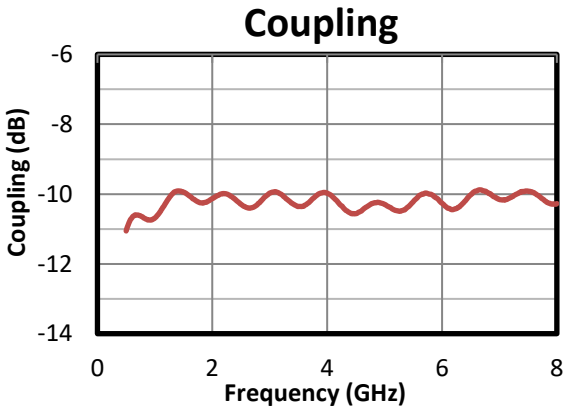
Operated in 50Ω system, 25°C environment.

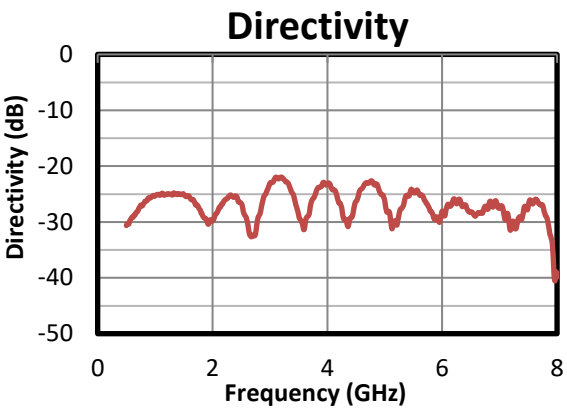
## Outline Drawing

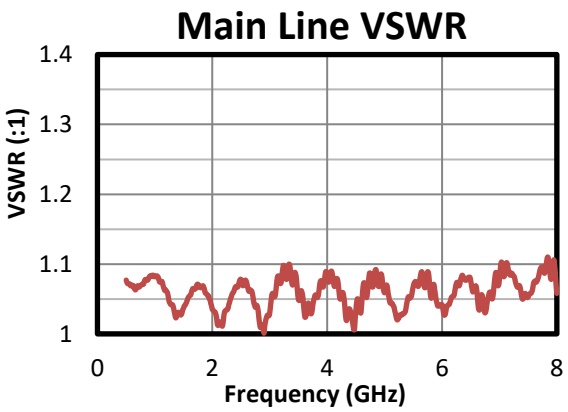


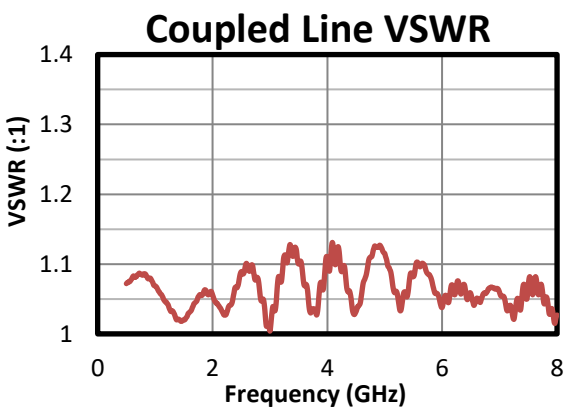

**Connectors:** SMA Female

## Typical Performance







Typical performance S-parameter file: https://www.amtery.com/en/goods-42

For each S/N S-parameter file, go to https://www.amtery.com/en/downloads

Note: Specifications are subject to change without notice.