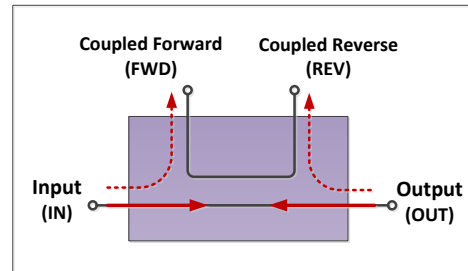




RoHS Compliant

Electrical schematic

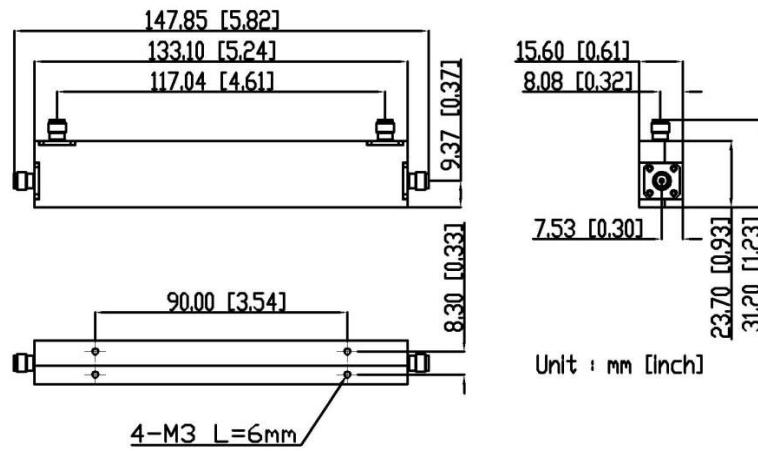


Electrical Specifications

| Parameter | Unit | Frequency (GHz) | Min. | Typ. | Max. |
|---------------------------------------|------|-----------------|------|------|------|
| Nominal Coupling (Forward Direction) | dB | 0.5 – 18 | 19 | 20 | 21 |
| Coupling Flatness (Forward Direction) | | 0.5 – 18 | | ±0.9 | ±1.3 |
| Directivity (Forward Direction) | | 0.5 – 8 | 13 | 18 | |
| | | 8 – 12 | 13 | 18 | |
| | | 12 – 16 | 11 | 15 | |
| 16 – 18 | 11 | 14 | | | |
| Insertion Loss | | 0.5 – 18 | | 1.1 | 1.3 |
| Main Line VSWR | :1 | 0.5 – 8 | | 1.20 | 1.35 |
| | | 8 – 18 | | 1.35 | 1.45 |
| Coupled Line VSWR | | 0.5 – 8 | | 1.30 | 1.40 |
| | | 8 – 18 | | 1.45 | 1.55 |
| Nominal Coupling (Reverse Direction) | dB | 0.5 – 18 | 18 | 19 | 20 |
| Coupling Flatness (Reverse Direction) | | | | ±1.3 | ±1.7 |
| Directivity (Reverse Direction) | | 0.5 – 8 | 13 | 18 | |
| | | 8 – 12 | 11.5 | 18 | |
| | | 12 – 16 | 11 | 12 | |
| | | 16 – 18 | 8 | 10 | |
| Average Power Handling | W | 0.5 – 18 | | | 50 |
| Peak Power | W | | | | 2000 |

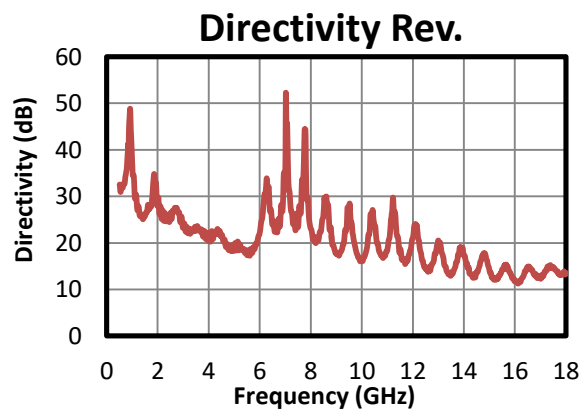
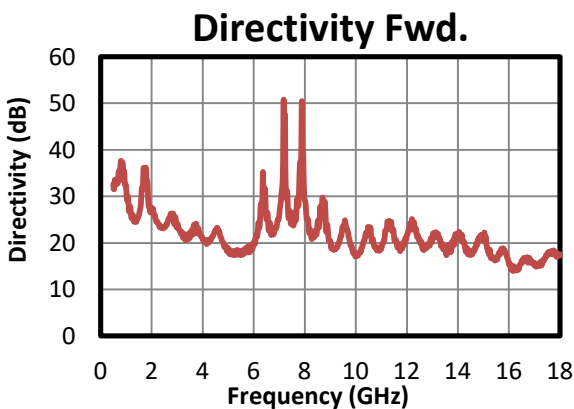
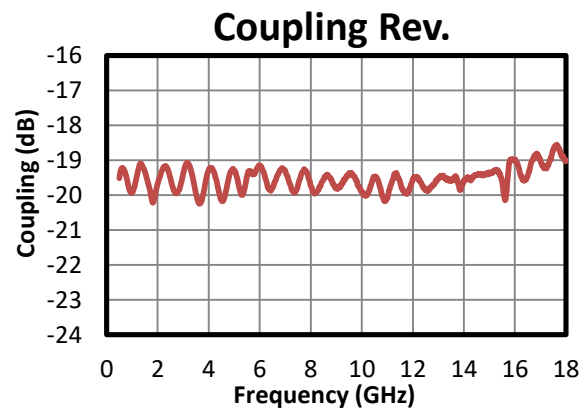
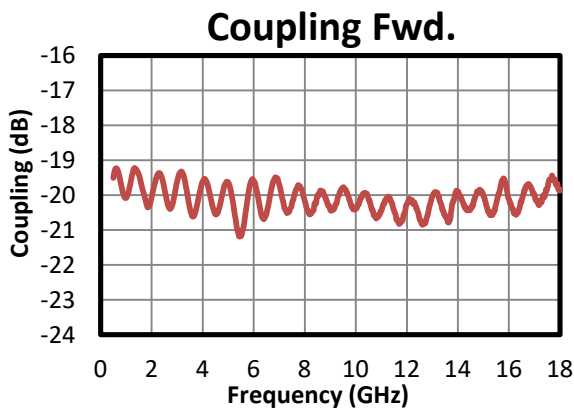
Operated in 50Ω system, 20°C to 40°C environment.

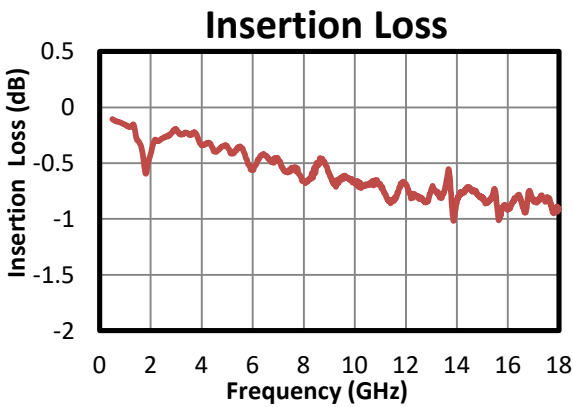
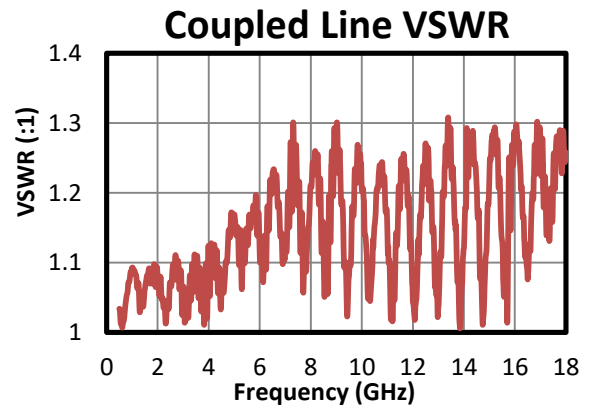
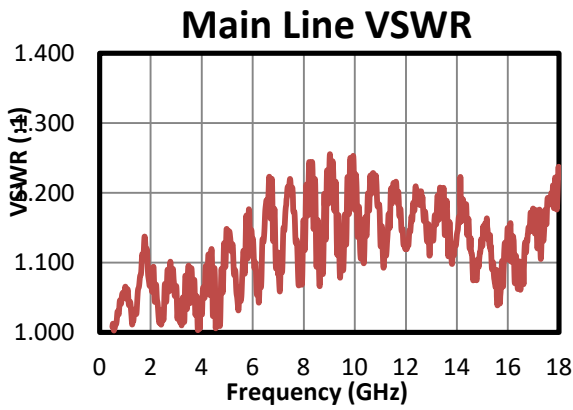
Outline Drawing



Connectors: SMA Female

Typical Performance





Typical performance S-parameter file: <https://www.amtery.com/en/goods-78>

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

Note: Specifications are subject to change without notice.