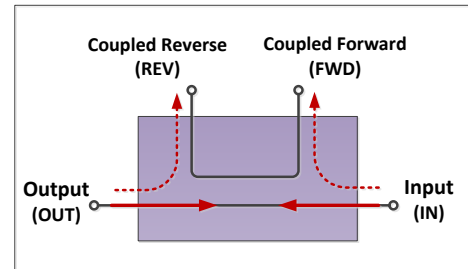




RoHS Compliant

Electrical schematic

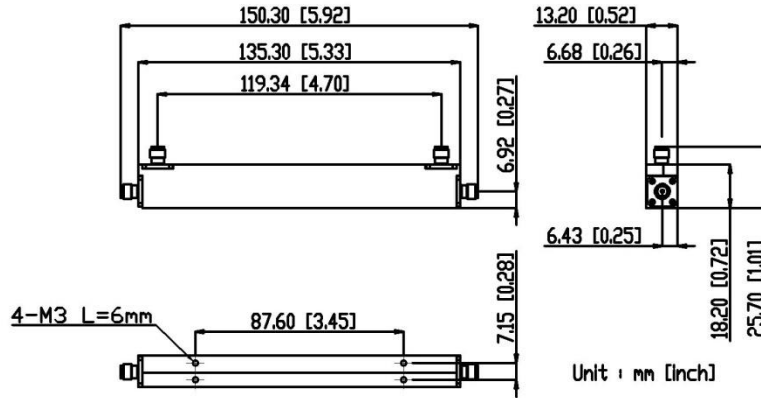


Electrical Specifications

| Parameter | Unit | Frequency (GHz) | Min. | Typ. | Max. |
|--|---------|-----------------|------|------|------|
| Nominal Coupling (Forward Direction) | dB | 0.5 – 18 | 8.8 | 10 | 11.2 |
| Coupling Flatness (Forward Direction) | | 0.5 – 8 | | ±0.7 | ±1.1 |
| | | 8 – 18 | | ±0.9 | ±1.2 |
| Directivity (Forward Direction) | 0.5 – 8 | 18 | 20 | | |
| | 8 – 18 | 12 | 16 | | |
| Main Line VSWR | | 0.5 – 8 | | 1.25 | 1.30 |
| | | 8 – 18 | | 1.30 | 1.35 |
| Coupled Line VSWR | | 0.5 – 8 | | 1.25 | 1.30 |
| | | 8 – 18 | | 1.30 | 1.40 |
| Nominal Coupling (Reverse Direction) | :1 | 0.5 – 8 | 9.5 | 10.5 | 11.5 |
| | | 8 – 18 | 10.4 | 11.5 | 12.6 |
| Coupling Flatness (Reverse Direction) | | 0.5 – 8 | | ±1.4 | ±1.6 |
| | | 8 – 18 | | ±1.5 | ±1.7 |
| Directivity (Reverse Direction) | | 0.5 – 8 | 16 | 18 | |
| | | 8 – 18 | 10 | 14 | |
| Insertion Loss (Including Coupling Loss) | | 0.5 – 8 | | | 1.5 |
| | 8 – 18 | | | 2.0 | 2.7 |
| Average Power Handling | W | 0.5 – 18 | | | 20 |

Operated in 50Ω system, 25°C environment.

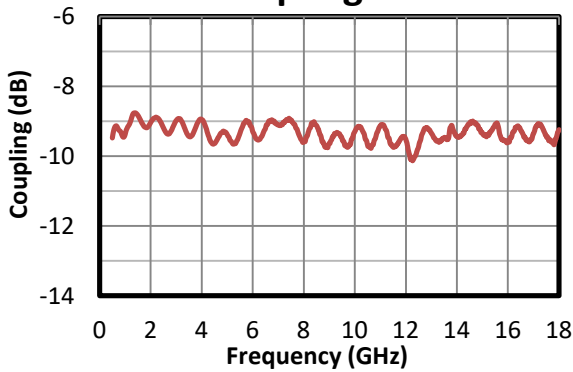
Outline Drawing



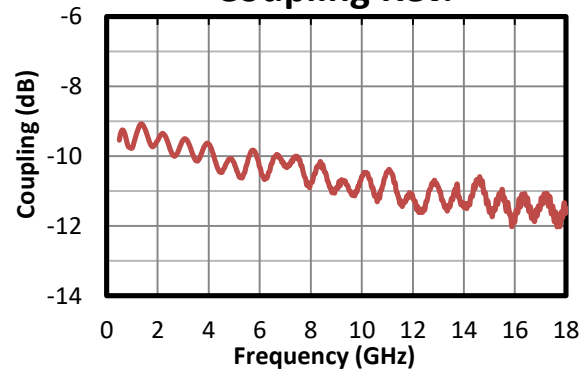
Connectors: SMA Female

Typical Performance

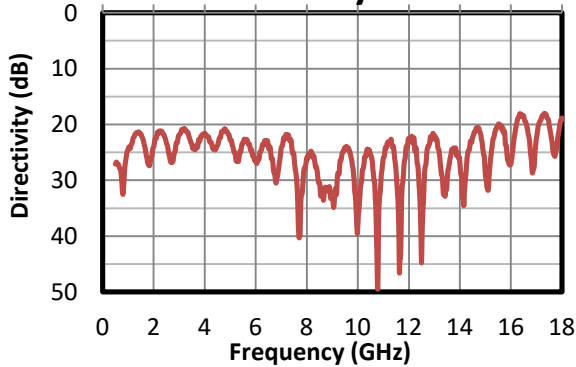
Coupling Fwd.



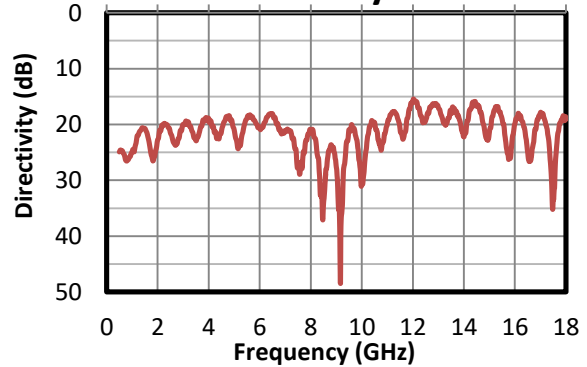
Coupling Rev.

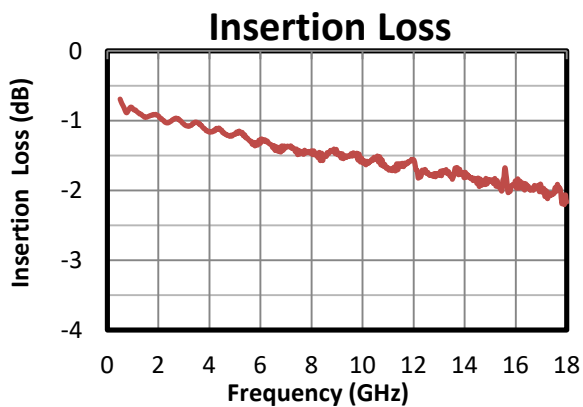
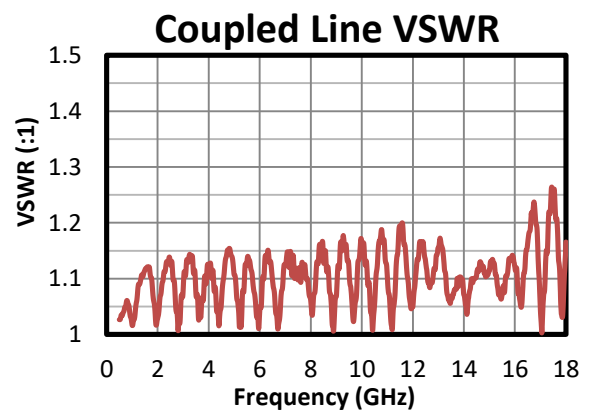
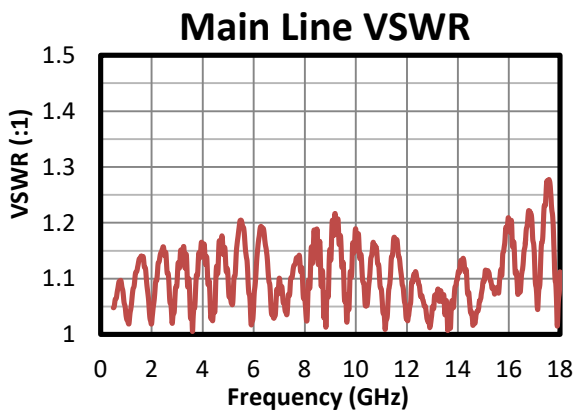


Directivity Fwd.



Directivity Rev.





Typical performance S-parameter file: <https://www.amtery.com/en/goods-62>

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

Note: Specifications are subject to change without notice.