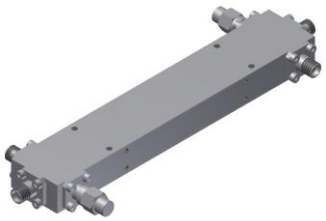
## Dual-Directional Coupler

# Model **D20B005265 Rev.A**

0.5-26.5GHz 20dB Dual-Directional Coupler, Coaxial connector



## Specifications

All specifications are subject to change without notice at any time

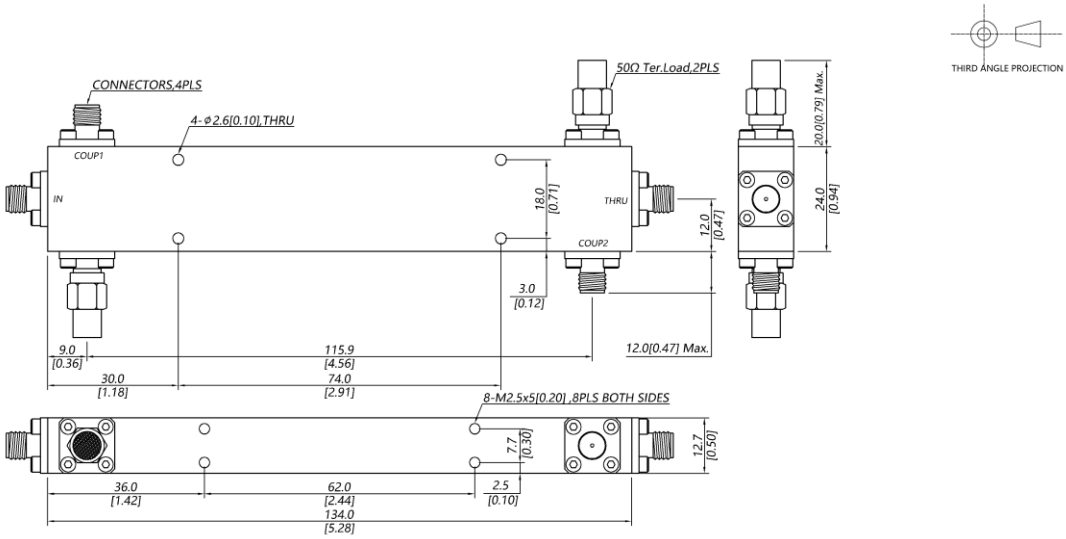
| | | | | |
|---|---|---|---|---|
| Frequency Range | GHz | 0.5-8 | 8-18 | 18-26.5 |
| Main Line VSWR | :1 (Max.) | 1.4 | 1.5 | 1.6 |
| Coupling VSWR | :1 (Max.) | 1.4 | 1.5 | 1.6 |
| Insertion Loss[1] | dB(Max.) | 1.1 | 1.5 | 1.8 |
| Coupling | dB(Max.) | 20±0.9 | 20±0.9 | 20±0.9 |
| Flatness | dB(Max.) | ±1 | ±1 | ±1 |
| Directivity | dB(Min.) | 16 | 14 | 12 |

| | | | | | |
|---|---|---|---|---|---|
| Power[2] | W(Max.) | CW: 30; Peak: 3000 | | | |
| Weight | g(Max.) | 145 | Dimension[3] | mm (LxWxH) | 134.0x12.7x24.0 |
| Interface | Stainless steel connector; Input: SMA [F], Thru.: SMA [F], Coup.: SMA [F] | | | | |
| Finishing | Nickel plating | | | | |
| Temperature | Operating: -55~+85°C; Storage: -55~+100°C | | | | |
| Environmental | Per MIL-STD-202F, Method 107D, 204D, 213B (optional, contact supplier for detail info.) | | | | |
| Eng. Customized | N/A | | | | |

Note:

1. Theoretical coupling loss included
2. VSWR ≤1.2 required for CW
3. Unless otherwise specified, Decimal tolerance: x.±1; .x±0.5; .xx±0.1

## Outline Drawing



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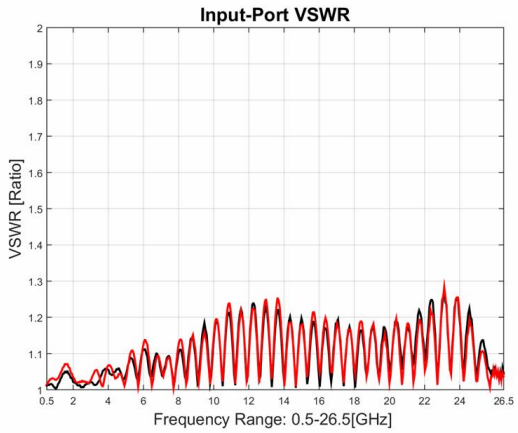
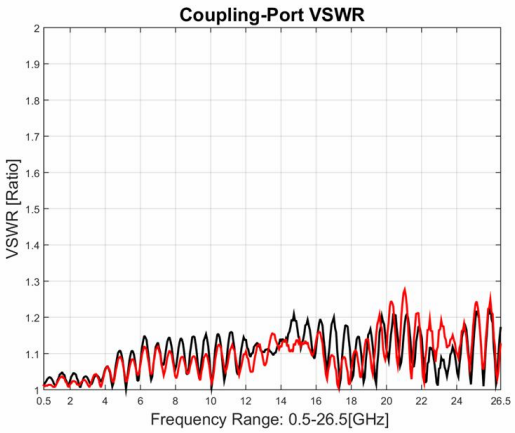
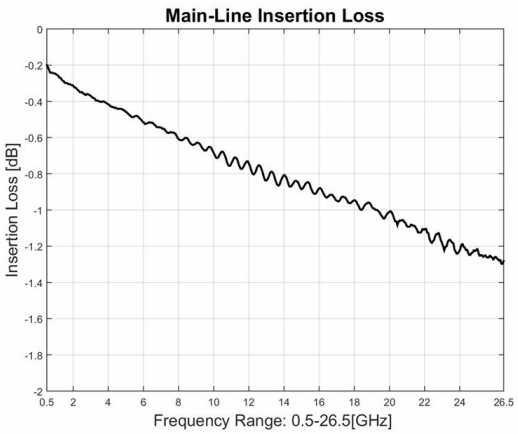
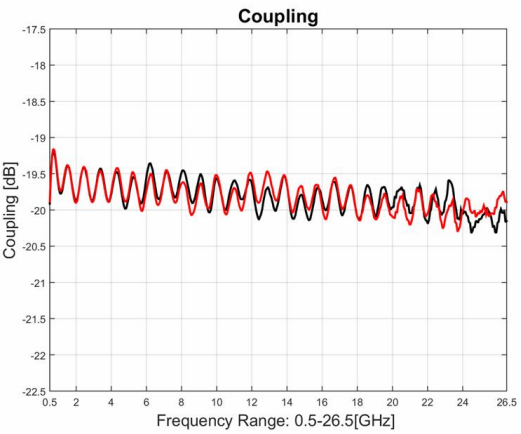
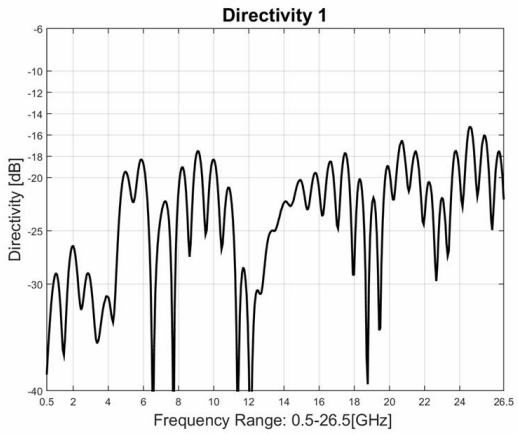
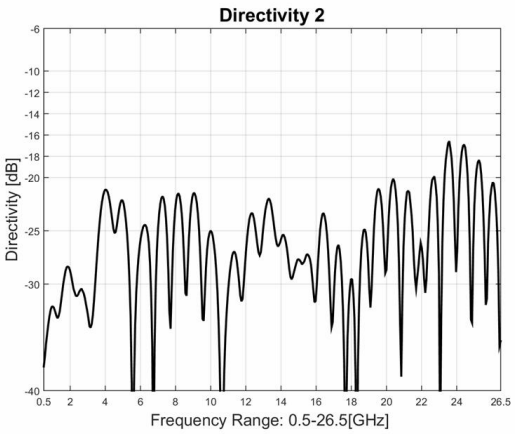
### Typical Graph

Typical test temperature @25℃