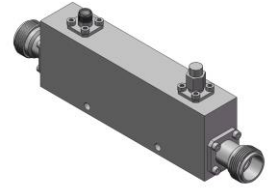


High Power Directional Coupler

Model D3002H010180 Rev.A

1-18GHz 30dB 120Watt Directional Coupler



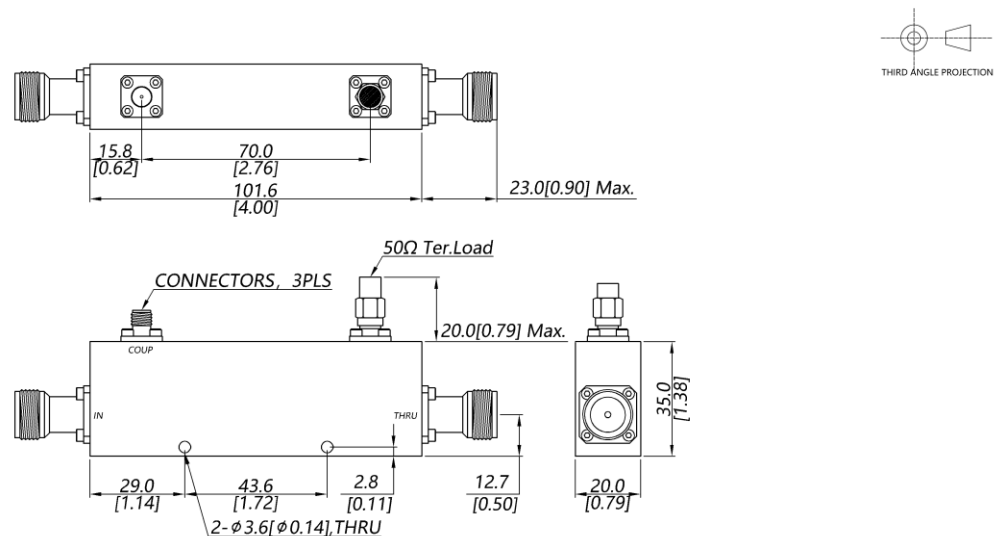
Specifications

All specifications are subject to change without notice at any time

| | | | |
|-----------------------------|---|---------------------|---|
| Frequency Range | GHz | 1-8 | 8-18 |
| Main Line VSWR | :1 (Max.) | 1.4 | 1.5 |
| Coupling VSWR | :1 (Max.) | 1.5 | 1.6 |
| Insertion Loss ¹ | dB(Max.) | 0.4 | 0.6 |
| Coupling | dB(Max.) | 30±1.2 | 30±1.2 |
| Flatness | dB(Max.) | ±1 | ±1 |
| Directivity | dB(Min.) | 12 | 10 |
| Power ² | W(Max.) | CW: 120; Peak: 3000 | |
| Weight | g(Max.) | 240 | Dimension ³ mm (LxWxH) 101.6x20.0x35.0 |
| Interface | Stainless steel connector; Input: TYPE N [F], Thru.: TYPE N [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°C

