

YSDDC300-R5-6-40-N

Dual Directional Coupler, 300 W, 0.5-6 GHz, 40 dB coupling, N-Type

Key Features

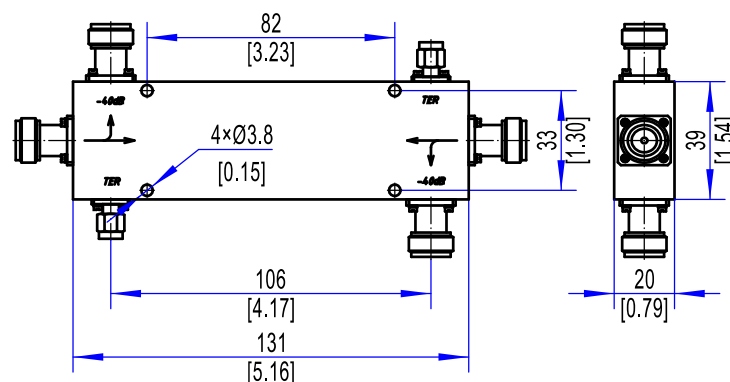
- Broadband 0.5-6 GHz operation
- High coupling accuracy: 40 dB \pm 1.5 dB
- Low insertion loss: \leq 0.5 dB
- High power handling: 300 W (CW)
- Connector type: N-Type Female

Applications

- RF power amplifier monitoring
- VSWR reflected power measurement
- Test & measurement setups
- Microwave system integration
- Lab & production testing

| Electrical Specifications | | |
|------------------------------|-------------------------|------------------------------------|
| 1 | Frequency Range | 0.5-6 GHz |
| 2 | Coupling | 40 \pm 1.5 dB |
| 3 | Coupling Flatness | $\leq \pm$ 1.0 dB |
| 4 | Insertion Loss | \leq 0.5 dB |
| 5 | Main Line VSWR | \leq 1.25:1 |
| 6 | Directivity | \geq 10 dB |
| 7 | Power | 300 W |
| Environmental Specifications | | |
| 1 | Operating Temperature | -55°C to +85°C |
| Mechanical Specifications | | |
| 1 | Connectors | N-Type Female |
| 2 | Surface Finishing | Natural Conductive Oxidation |
| 3 | Dimensions ¹ | 131×39×20 mm / [5.16×1.54×0.79 in] |

Outline Drawing (Units: mm/[inch], Tolerance: \pm 0.3 mm)



Note 1: Excluding Connector size