YSDDC250-6-18-40-N

Dual Directional Coupler, 250 W, 6-18 GHz, 40 dB coupling, N-Type

Key Features

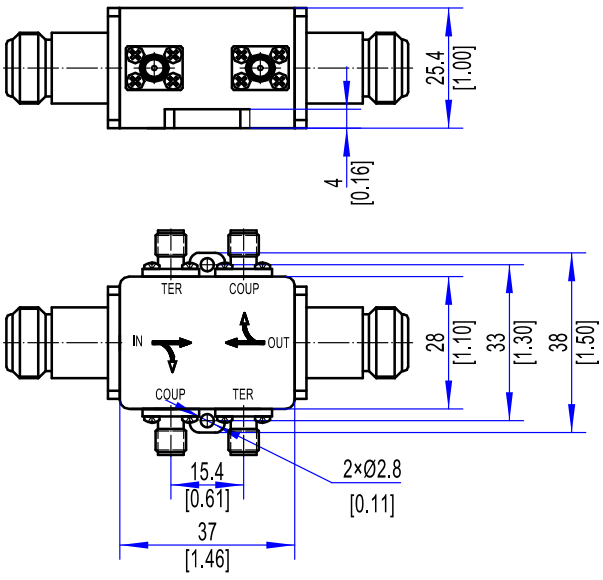
- Broadband 6–18 GHz operation
- High coupling accuracy: 40 dB ±1.0 dB
- Low insertion loss: ≤0.5 dB
- High power handling: 250 W (CW)
- Connector type: N-Type Female

Applications

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

Electrical Specifications		
1	Frequency Range	6-18 GHz
2	Coupling	40 ±1.0 dB
3	Coupling Flatness	≤ ±1.0 dB
4	Insertion Loss	≤0.5 dB
5	Main Line VSWR	≤1.4:1
6	Secondary Line VSWR	≤1.7:1
7	Directivity	≥10 dB
8	Power	250 W
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	N-Type Female / SMA Female
2	Surface Finishing	Natural Conductive Oxidation
3	Dimensions[1]	37×38×25.4 mm / [1.46×1.50×1.0 in]

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



Note 1: Excluding Connector size