

# YSDC400-3-10-30-N

Directional Coupler, 400 W, 3-10 GHz, 30 dB coupling, N-Type

## Key Features

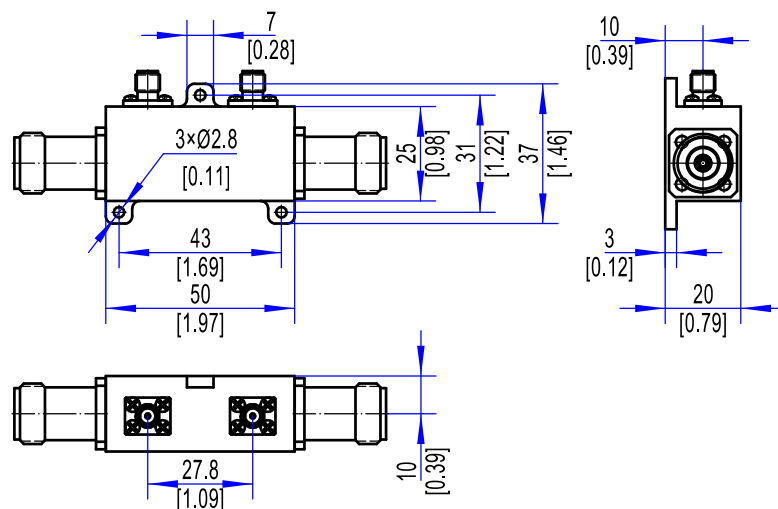
- 3-10 GHz wideband
- High power handling
- 30 dB high directivity coupling
- Low insertion loss
- Stable coupling flatness

## Applications

- RF power monitoring and sampling
- Test & measurement systems
- Communication system integration
- Transmitter signal feedback and control
- RF laboratory and EMC testing

Electrical Specifications		
1	Frequency Range	3-10 GHz
2	Coupling	30 ±1.0 dB
3	Coupling Flatness	≤ ±0.7 dB
4	Main Line VSWR	≤1.4:1
5	Secondary Line VSWR	≤1.6:1
6	Insertion Loss	≤0.6 dB
7	Directivity	≥10 dB
8	Average Power	400 W(CW)
9	Peak Power	3 KW (pulse width: 1 μs, duty cycle: 10%)
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 <sup>1</sup>	50×37×20 mm / [1.97×1.46×0.79 in]

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



Note 1: Excluding Connector size