

## YSDC250-6-18-40-N

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

### Key Features

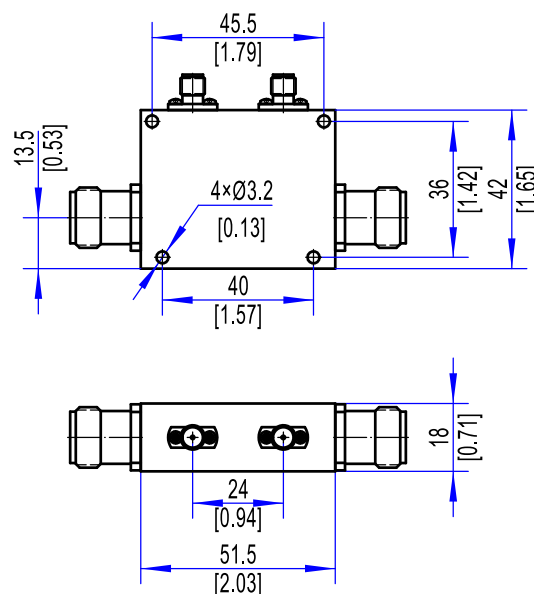
- Ultra-Wideband 6-18 GHz Coverage
- Stable 40 dB Coupling Across Band
- Low Insertion Loss & Good Directivity
- High Power Handling up to 400 W
- Compact Design with N-Type Connectors

### Applications

- Broadband RF & Microwave Systems
- Signal Sampling & Power Monitoring
- Radar & Electronic Warfare Systems
- Satellite & Communication Systems
- Test & Measurement Applications

Electrical Specifications		
1	Frequency Range	6-18 GHz
2	Coupling	40 ±2.0 dB
3	Insertion Loss	≤0.7 dB
4	Main Line VSWR	≤1.4:1
5	Secondary Line VSWR	≤1.8:1
6	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 <sup>1</sup>	51.5×42×18 mm / [2.03×1.65×0.71 in]

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



Note 1: Excluding Connector size