

# YSDC30-18-40-10-K

Directional Coupler, 30 W, 18-40 GHz, 10 dB coupling, 2.92 mm

## Key Features

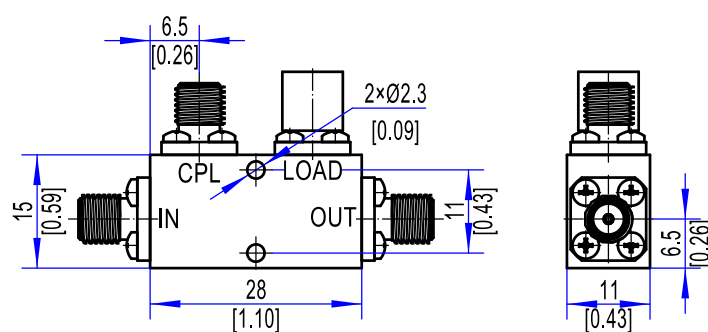
- Broadband operation from 18–40 GHz
- High directivity performance
- Low insertion loss design
- Excellent amplitude balance

## Applications

- RF & microwave test systems
- Signal monitoring and sampling
- Radar and communication systems
- Power measurement systems
- High-frequency subsystem integration

Electrical Specifications		
1	Frequency Range	18-40 GHz
2	Coupling	10 ±1.0 dB
3	Coupling Flatness	≤ ±0.9 dB
4	Insertion Loss	≤1.6 dB
5	VSWR	≤1.6:1
6	Directivity	≥10 dB
7	Power	30 W
Environmental Specifications		
1	Operating Temperature	-45°C to +85°C
Mechanical Specifications		
1	Connectors	2.92 mm Female
2	Dimensions <sup>1</sup>	28×15×11 mm / [1.1×0.59×0.43 in]

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



Note 1: Excluding Connector size