

# YSDC50-R8-2R5-10-S

Directional Coupler, 50 W, 0.8-2.5 GHz, 10 dB coupling, SMA

## Key Features

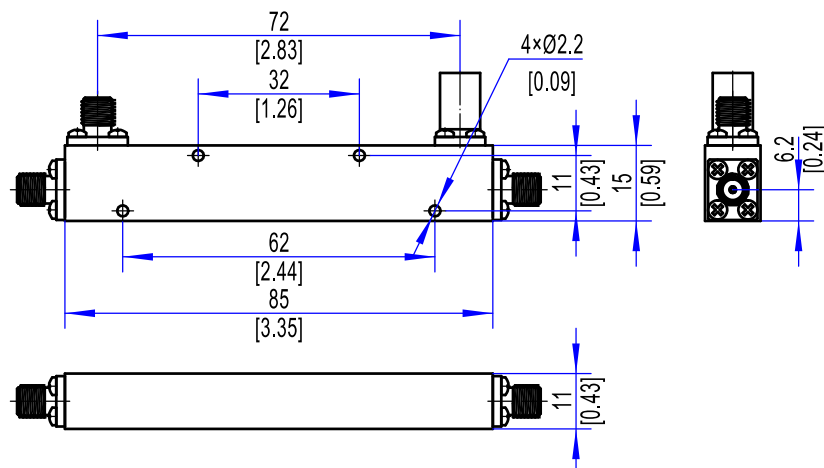
- 0.8 – 2.5 GHz ultra-wideband
- 10 dB nominal coupling ( $\pm 1$  dB)
- Low insertion loss ( $\leq 0.5$  dB typ.)
- Compact SMA female interface
- 50 W CW power handling

## Applications

- Broadband test & measurement
- Signal monitoring & sampling
- Radar & communication systems
- Power measurement setups
- High-frequency module integration

Electrical Specifications		
1	Frequency Range	0.8-2.5 GHz
2	Coupling	10 $\pm$ 1 dB
3	Coupling Flatness	$\leq \pm 0.7$ dB
4	VSWR	$\leq 1.2:1$
5	Insertion Loss	$\leq 0.5$ dB
6	Directivity	$\geq 20$ dB
7	Power	50 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Dimensions <sup>1</sup>	85 $\times$ 15 $\times$ 11 mm / [3.35 $\times$ 0.59 $\times$ 0.43 in]

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



Note 1: Excluding Connector size