

YSDC100-R8-12R75-10-S

Directional Coupler, 100 W, 0.8-12.75 GHz, 10 dB coupling, SMA

Key Features

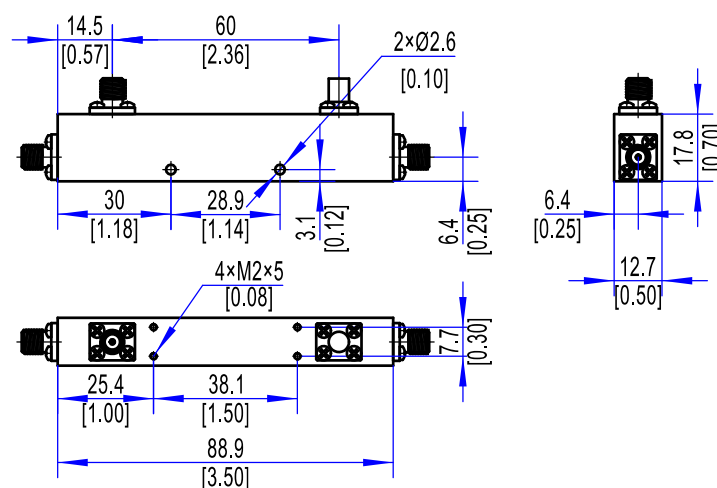
- 0.5 – 12.75 GHz ultra-wideband
- 10 dB nominal coupling (± 0.5 dB)
- Low insertion loss (≤ 1.5 dB typ.)
- Compact SMA female interface
- 100 W CW power handling

Applications

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

Electrical Specifications		
1	Frequency Range	0.8-12.75 GHz
2	Coupling	10 ± 0.5 dB
3	Coupling Flatness	$\leq \pm 1$ dB
4	VSWR	$\leq 1.5:1$
5	Insertion Loss	≤ 1.5 dB
6	Directivity	≥ 13 dB
7	Power	100 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Dimensions ¹	88.9×17.8×12.7 mm / [3.5×0.7×0.5 in]

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



Note 1: Excluding Connector size