

YSDC20-R5-18R5-10-S

Directional Coupler, 20 W, 0.5-18.5 GHz, 10 dB coupling, SMA

Key Features

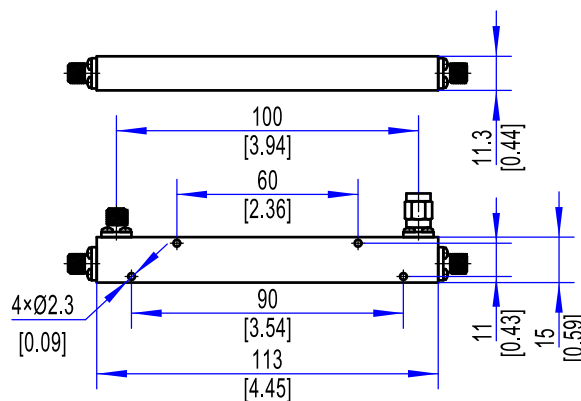
- 0.5 – 18.5 GHz ultra-wideband
- 10 dB nominal coupling (± 1 dB)
- Low insertion loss (≤ 1.6 dB typ.)
- Compact SMA female interface
- 20 W CW power handling

Applications

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

Electrical Specifications		
1	Frequency Range	0.5-18.5 GHz
2	Coupling	10 \pm 1 dB
3	Coupling Flatness	$\leq \pm 1$ dB
4	VSWR	$\leq 1.6:1$
5	Insertion Loss	≤ 1.6 dB
6	Directivity	≥ 10 dB
7	Power	≥ 20 W
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Dimensions ¹	113×15×11.3 mm / [4.45×0.59×0.44 in]

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



Note 1: Excluding Connector size