

YSDC50-R6-3R9-10-S

Directional Coupler, 50 W, 0.6-3.9 GHz, 10 dB coupling, SMA

Key Features

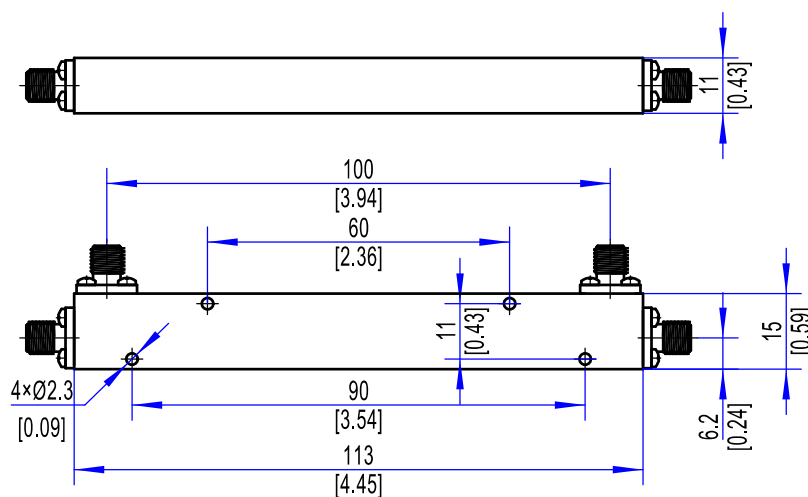
- 0.6 – 3.9 GHz ultra-wideband
- 10 dB nominal coupling (± 1.5 dB)
- Low insertion loss (≤ 0.5 dB typ.)
- Compact SMA female interface
- 50 W CW power handling

Applications

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

Electrical Specifications		
1	Frequency Range	0.6-3.9 GHz
2	Coupling	10 \pm 1.5 dB
3	Coupling Flatness	$\leq \pm 1.5$ dB
4	VSWR	$\leq 1.20:1$
5	Insertion Loss	≤ 0.5 dB
6	Directivity	≥ 18 dB
7	Power	≤ 50 W
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Surface Finishing	Natural Conductive Oxidation
3	Dimensions ¹	113×15×11 mm / [4.45×0.59×0.43 in]

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



Note 1: Excluding Connector size