

YSDC30-4-8-20-S

Directional Coupler, 30 W, 4-8 GHz, 20 dB coupling, SMA

Key Features

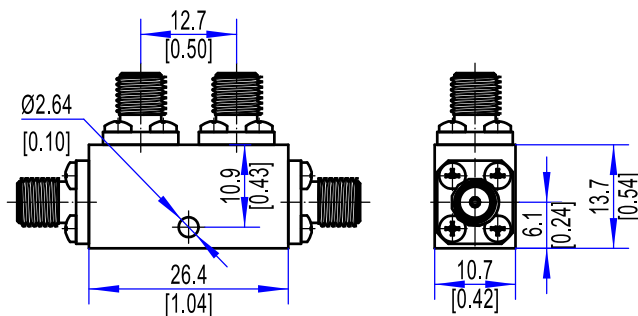
- 4-8 GHz ultra-wideband
- 20 dB nominal coupling (± 1.25 dB)
- Low insertion loss (≤ 0.3 dB typ.)
- Compact SMA female interface
- 30 W CW power handling

Applications

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

Electrical Specifications		
1	Frequency Range	4-8 GHz
2	Coupling	20 \pm 1.25 dB
3	Coupling Flatness	$\leq \pm 0.75$ dB
4	VSWR	$\leq 1.25:1$
5	Insertion Loss	≤ 0.3 dB
6	Directivity	≥ 20 dB
7	Power	30 W
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Dimensions ¹	26.4×13.7×10.7 mm / [26.4×0.54×0.42 in]

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



Note 1: Excluding Connector size