

YSDC20-4-8-40-S

Directional Coupler, 20 W, 4-8 GHz, 40 dB coupling, SMA

Key Features

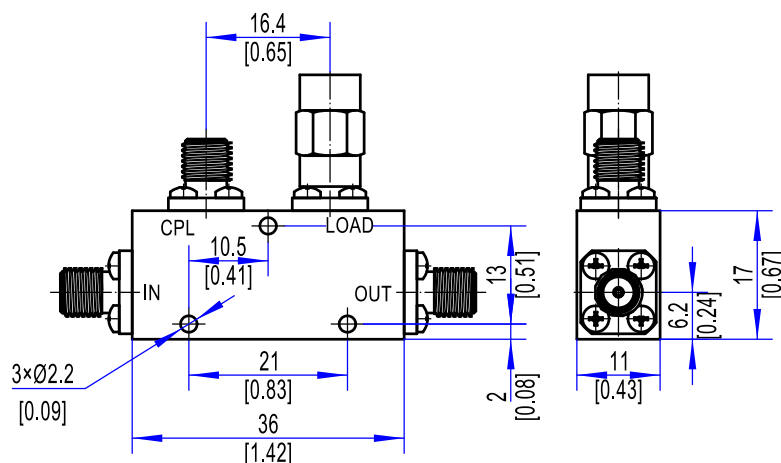
- 4-8 GHz ultra-wideband
- 40 dB nominal coupling (± 0.5 dB)
- Low insertion loss (≤ 0.3 dB typ.)
- Compact SMA female interface
- 20 W CW power handling

Applications

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

Electrical Specifications		
1	Frequency Range	4-8 GHz
2	Coupling	40 ± 0.5 dB
3	Coupling Flatness	$\leq \pm 0.5$ dB
4	VSWR	$\leq 1.3:1$
5	Insertion Loss	≤ 0.3 dB
6	Directivity	≥ 16 dB
7	Power	20 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	36×17×11mm / [1.42×0.67×0.43 in]

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



Note 1: Excluding Connector size