

YSDDC50-1-4-30-S

Dual Directional Coupler, 50 W, 1-4 GHz, 30 dB coupling, SMA

Key Features

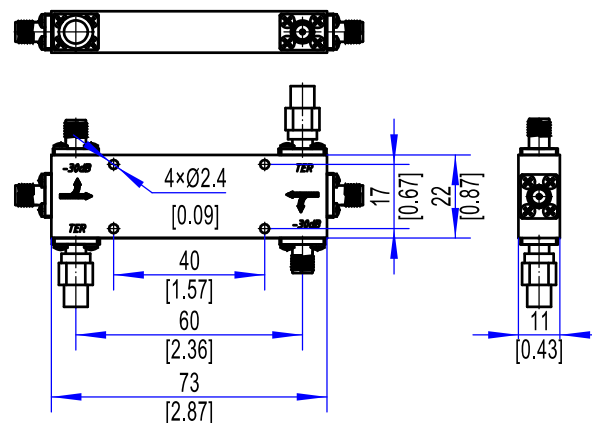
- Wideband operation from 1-4 GHz
- Dual directional sampling (forward & reverse)
- directivity ≥ 20 dB for accurate measurement
- Low insertion loss ≤ 0.35 dB
- Stable 30 dB coupling with good flatness

Applications

- RF power monitoring (forward & reflected)
- Test & measurement systems
- VSWR and return loss analysis
- RF system integration & diagnostics
- Signal sampling in communication systems

Electrical Specifications		
1	Frequency Range	1-4 GHz
2	Coupling	30 \pm 2.0 dB
3	Coupling Flatness	$\leq \pm 0.5$ dB
4	Insertion Loss	≤ 0.35 dB
5	Main Line VSWR	$\leq 1.2:1$
6	Directivity	≥ 20 dB
7	Power	50 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Dimensions ¹	73×22×11 mm / [2.87×0.87×0.43 in]

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



Note 1: Excluding Connector size