YSDDC50-3-18-40-S

Dual Directional Coupler, 50 W, 3-18 GHz, 40 dB coupling, SMA

Key Features

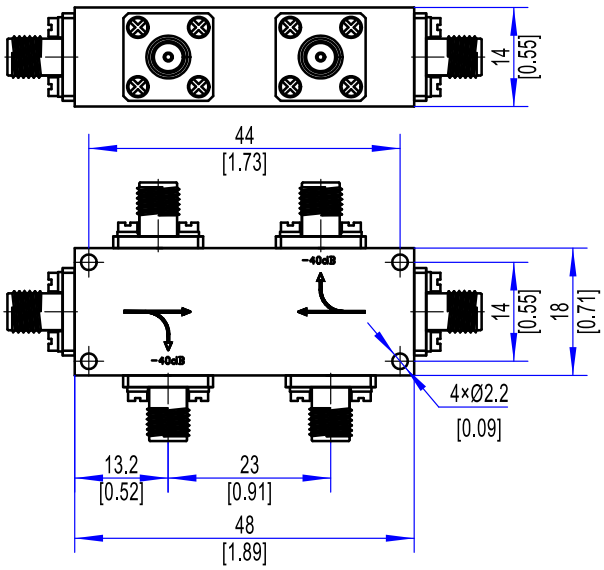
- 3-18 GHz ultra-wideband
- Coupling: 40 dB ±1.0 dB
- Insertion loss: ≤0.55 dB
- Power handling: 50 W (CW)
- SMA female connectors

Applications

- Wideband amplifier monitoring
- VSWR reflected power test
- Microwave system integration
- Lab & production testing
- Antenna measurement

Electrical Specifications		
1	Frequency Range	3-18 GHz
2	Coupling	40 ±1.0 dB
3	Coupling Flatness	≤ ±1.0 dB
4	Insertion Loss	≤0.55 dB
5	Main Line VSWR	≤1.45:1
6	Secondary Line VSWR	≤1.7:1
7	Directivity	≥10 dB
8	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]	48×18×14 mm / [1.89×0.71×0.55 in]

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



Note 1: Excluding Connector size