YSDDC50-2-18-30-S

Dual Directional Coupler, 50 W, 2-18 GHz, 30 dB coupling, SMA

Key Features

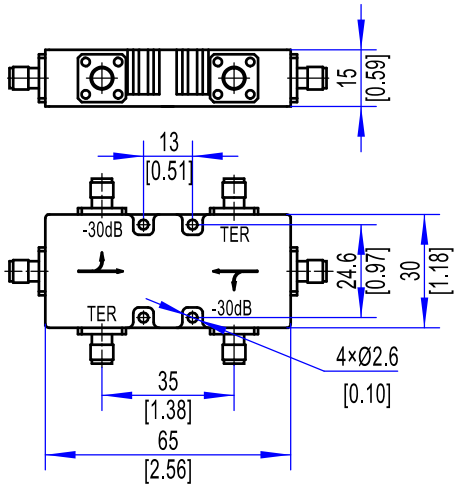
- 2-18 GHz ultra-wideband
- Coupling: 30 dB ±1.0 dB
- Insertion loss: ≤0.6 dB
- Power handling: 50 W (CW)
- SMA female connectors

Applications

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

Electrical Specifications		
1	Frequency Range	2-18 GHz
2	Coupling	30 ±1.0 dB
3	Coupling Flatness	≤ ±1.2 dB
4	Insertion Loss	≤0.6 dB
5	Main Line VSWR	≤1.5:1
6	Secondary Line VSWR	≤1.7:1
7	Directivity	≥12 dB @ 2-8 GHz ≥10 dB @ 8-18 GHz
8	Power	50 W(CW)
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]	65×30×15 mm / [2.56×1.18×0.59 in]

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



Note 1: Excluding Connector size