

YSDC50-1-18-20-S

Directional Coupler, 50 W, 1-18 GHz, 20 dB coupling, SMA

Key Features

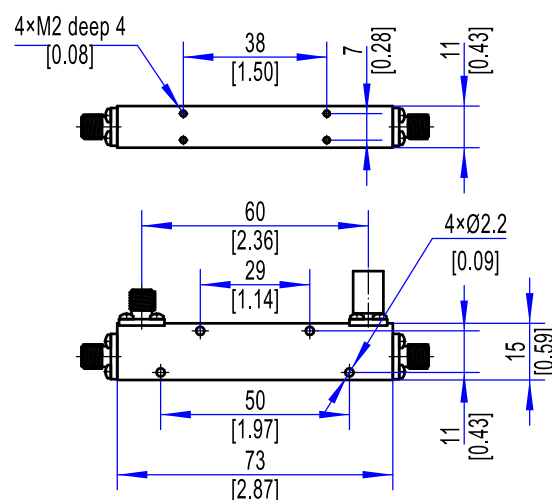
- Ultra-Wideband 1 – 18 GHz Coverage
- Stable 20 dB Coupling Across Band
- Low Insertion Loss & Good Directivity
- High Power Handling up to 50 W
- Compact Design with SMA Connectors

Applications

- Broadband RF & Microwave Systems
- Signal Sampling & Power Monitoring
- Radar & Electronic Warfare Systems
- Satellite & Communication Systems
- Test & Measurement Applications

Electrical Specifications		
1	Frequency Range	1-18 GHz
2	Coupling	20 ±1 dB
3	Coupling Flatness	≤ ±1 dB
4	VSWR	≤1.6:1
5	Insertion Loss	≤1.2 dB(0.46 dB exclusive of coupling loss)
6	Directivity	≥12 dB
7	Power	≥50 W
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Dimensions ¹	73×15×11 mm / [2.87×0.59×0.43 in]

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



Note 1: Excluding Connector size