

## YSDC50-1-4-20-S

Directional Coupler, 50 W, 1-4 GHz, 20 dB coupling, SMA

### Key Features

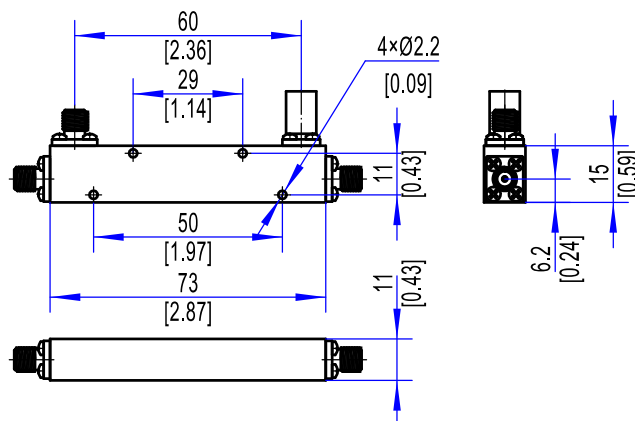
- Broadband 1–4 GHz Coverage
- Stable 20 dB Coupling with Low Flatness
- Low Insertion Loss & High Directivity
- High Power Handling up to 50 W
- Rugged Design with SMA Interface

### Applications

- RF & Microwave Test Systems
- Signal Monitoring & Power Sampling
- Communication Systems (L/S Band)
- Radar Subsystems & Integration
- Lab & Production Testing

Electrical Specifications		
1	Frequency Range	1-4 GHz
2	Coupling	20±1 dB
3	Coupling Flatness	≤ ±0.5 dB
4	VSWR	≤1.2:1
5	Insertion Loss	≤0.4 dB
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 <sup>1</sup>	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