

# YSDC50-6-18-20-S

Directional Coupler, 50 W, 6-18 GHz, 20 dB coupling, SMA

## Key Features

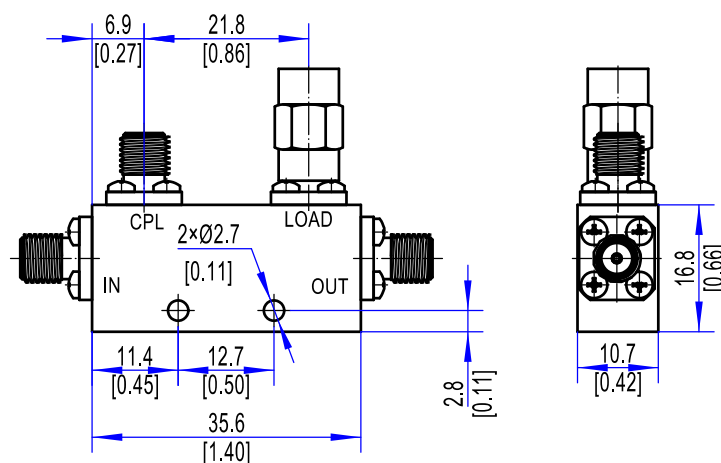
- Ultra-Wideband 6-18 GHz Coverage
- Stable 20 dB Coupling Across Band
- Low Insertion Loss & Good Directivity
- High Power Handling up to 50 W
- Compact Design with SMA Connectors

## Applications

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

Electrical Specifications		
1	Frequency Range	6-18 GHz
2	Coupling	20 ±1.0 dB
3	Coupling Flatness	≤ ±0.5 dB
4	Insertion Loss	≤0.6 dB(Coupling loss not included)
5	Main Line VSWR	≤1.4:1
6	Secondary Line VSWR	≤1.4:1
7	Directivity	≥15 dB
8	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>	35.6×16.8×10.7 mm / [1.4×0.66×0.42 in]

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



Note 1: Excluding Connector size