

# YSDC80-6-18-35-S

Directional Coupler, 80 W, 6-18 GHz, 35 dB coupling, SMA

## Key Features

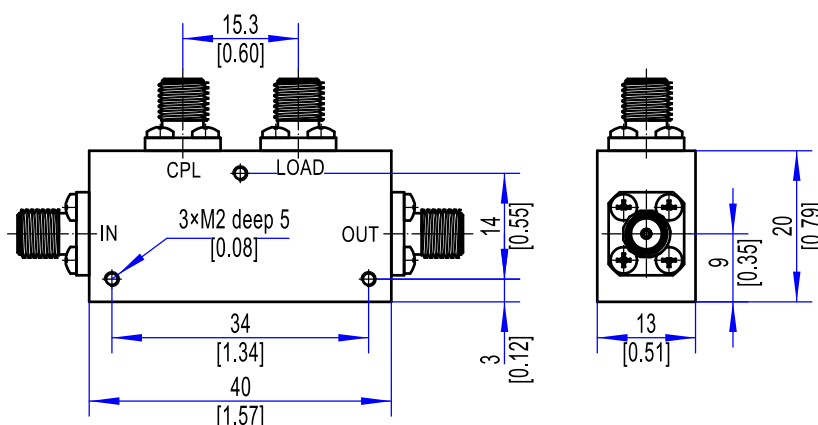
- Ultra-Wideband 6-18 GHz Coverage
- Stable 35 dB Coupling Across Band
- Low Insertion Loss & Good Directivity
- High Power Handling up to 80 W
- Compact Design with SMA Connectors

## 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	35 ±1.0 dB
3	Coupling Flatness	≤ ±.075 dB
4	Insertion Loss	≤0.5 dB
5	Main Line VSWR	≤1.5:1
6	Secondary Line VSWR	≤1.7:1
7	Directivity	≥10 dB
8	Power	≤80 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 <sup>1</sup>	40×20×13 mm / [1.57×0.79×0.51 in]

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



Note 1: Excluding Connector size