

## YSDC50-R5-18-20-S

Directional Coupler, 50 W, 0.5-18 GHz, 20 dB coupling, SMA

### Key Features

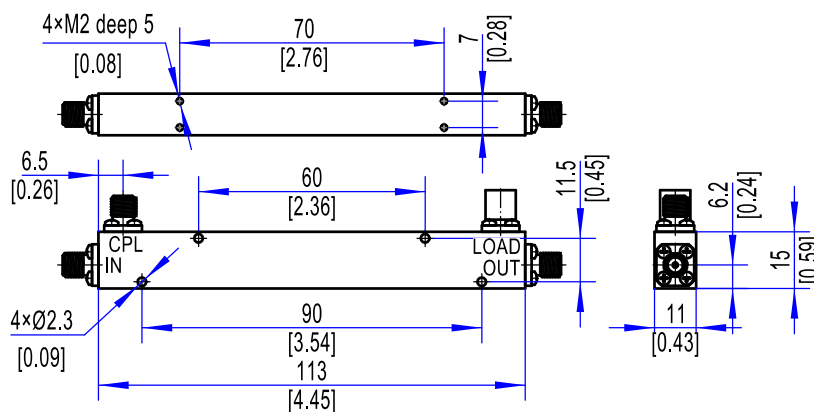
- Broadband operation from 0.5–18 GHz
- High directivity performance
- Low insertion loss design
- Excellent amplitude balance

### Applications

- RF & microwave test systems
- Signal monitoring and sampling
- Radar and communication systems
- Power measurement systems
- High-frequency subsystem integration

Electrical Specifications		
1	Frequency Range	0.5-18 GHz
2	Coupling	20 ±1 dB
3	Coupling Flatness	≤ ±1.5 dB
4	Insertion Loss	≤1.5 dB
5	Main Line VSWR	≤1.6:1
6	Secondary Line VSWR	≤1.6:1
7	Directivity	≥10 dB
8	Power	50 W
Environmental Specifications		
1	Operating Temperature	-45°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Dimensions <sup>1</sup>	113×15×11 mm / [4.45×0.59×0.43 in]

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



Note 1: Excluding Connector size