

## YSDC12-40-67-20-V

Directional Coupler, 12 W, 40-67 GHz, 20 dB coupling, 1.85 mm

### Key Features

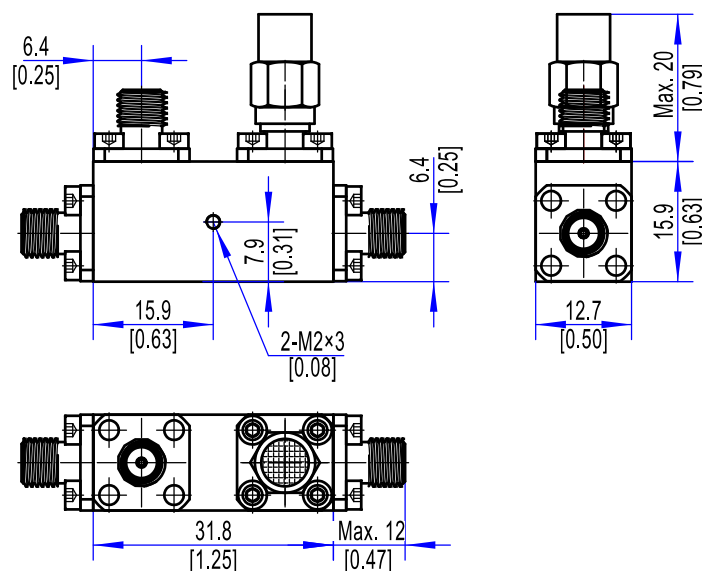
- Broadband operation from 40–67 GHz
- High directivity performance
- Low insertion loss design
- Excellent amplitude balance

### 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	40-50 GHz	50-67 GHz
2	Coupling	20 ±1 dB	
3	Coupling Flatness	≤ ±1 dB	
4	Insertion Loss	≤1.5 dB	≤2.0 dB
5	Main Line VSWR	≤1.8:1	≤1.9:1
6	Secondary Line VSWR	≤1.8:1	≤1.9:1
7	Directivity	≥8 dB	≥7 dB
8	Power	12 W(CW),1000 W(Peak)	
Environmental Specifications			
1	Operating Temperature	-45°C to +85°C	
Mechanical Specifications			
1	Connectors	1.85 mm Female	
2	Dimensions <sup>1</sup>	31.8×15.9×12.7 mm / [1.25×0.63×0.5 in]	

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



Note 1: Excluding Connector size