

# YSDDC100-R3-2-40-S

Dual Directional Coupler, 100 W, 0.3-2 GHz, 40 dB coupling, SMA

## Key Features

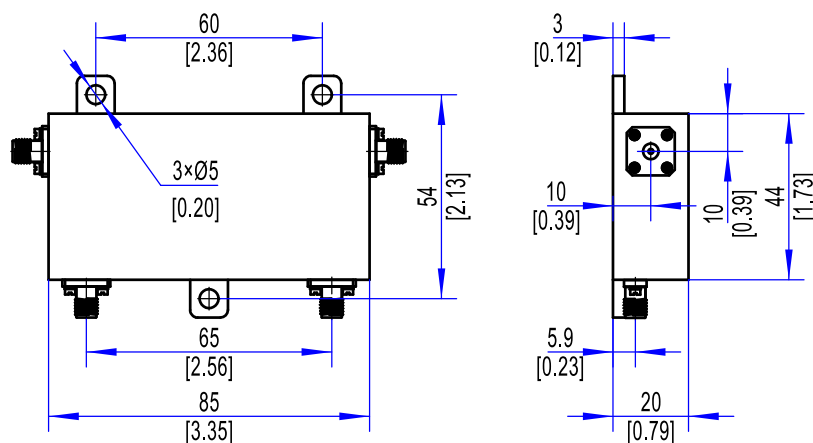
- 0.3-2 GHz broadband
- Coupling: 40 dB  $\pm$ 1.0 dB
- Insertion loss:  $\leq$ 0.3 dB
- Power handling: 100 W
- SMA female connectors

## Applications

- RF amplifier monitoring
- VSWR reflected power test
- Antenna system measurement
- Lab & production testing
- Microwave subsystem integration

Electrical Specifications		
1	Frequency Range	0.3-2 GHz
2	Coupling	40 $\pm$ 1.0 dB
3	Coupling Flatness	$\leq \pm$ 1.2 dB
3	Insertion Loss	$\leq$ 0.3 dB
4	Main Line VSWR	$\leq$ 1.35:1
5	Directivity	$\geq$ 18 dB
6	Power	100 W(CW)
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>	85×64×20 mm / [3.35×2.52×0.79 in]

## Outline Drawing (Units: mm/[inch], Tolerance: $\pm$ 0.3 mm)



Note 1: Excluding Connector size