

## YSDDC100-80M-1-45-S

Dual Directional Coupler, 100 W, 80 MHz-1 GHz, 45 dB coupling, SMA

### Key Features

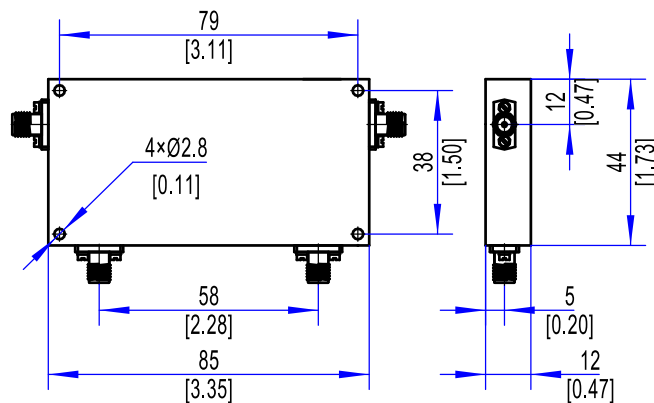
- 80 MHz-1 GHz broadband
- Coupling: 45 dB  $\pm$ 1.2 dB
- Insertion loss:  $\leq$ 0.5 dB
- Power handling: 100 W
- SMA female connectors

### Applications

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

Electrical Specifications		
1	Frequency Range	80 MHz-1 GHz
2	Coupling	45 $\pm$ 1.2 dB
3	Insertion Loss	$\leq$ 0.5 dB
4	Main Line VSWR	$\leq$ 1.30:1
5	Directivity	$\geq$ 18 dB
6	Power	$\leq$ 100 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>	85×44×12 mm / [3.35×1.73×0.47 in]

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



Note 1: Excluding Connector size