

## YSDC50-R5-2-6-S

Directional Coupler, 50 W, 0.5-2 GHz, 6 dB coupling, SMA

### Key Features

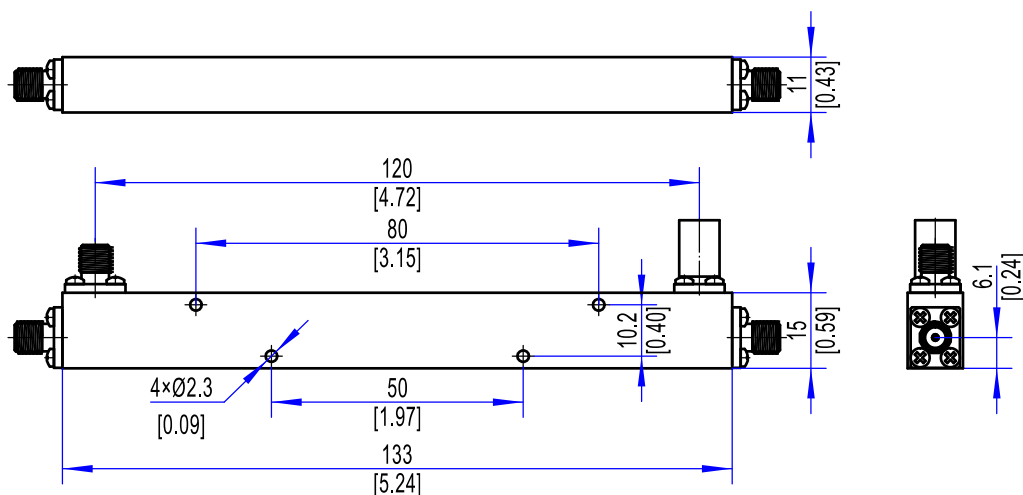
- Broadband coverage from 0.5–2 GHz
- Low coupling value (6 dB) for signal distribution
- High directivity ( $\geq 20$  dB) for accurate signal sampling
- Low insertion loss ( $\leq 0.4$  dB)
- Excellent VSWR ( $\leq 1.25:1$ ) for minimal reflection

### Applications

- Signal sampling and power distribution
- RF test and measurement systems
- Communication and base station systems
- Signal monitoring and feedback circuits
- Laboratory and R&D applications

Electrical Specifications		
1	Frequency Range	0.5-2 GHz
2	Coupling	6 $\pm$ 1 dB
3	Coupling Flatness	$\leq \pm 0.6$ dB
4	VSWR	$\leq 1.25:1$
5	Insertion Loss	$\leq 0.4$ dB
6	Directivity	$\geq 20$ dB
7	Power	50 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Dimensions <sup>1</sup>	133×15×11 mm / [5.24×0.59×0.43 in]

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



Note 1: Excluding Connector size