

# YSDDC200-R3-R7-30-S

Dual Directional Coupler, 200 W, 0.3-0.7 GHz, 30 dB coupling, SMA

## Key Features

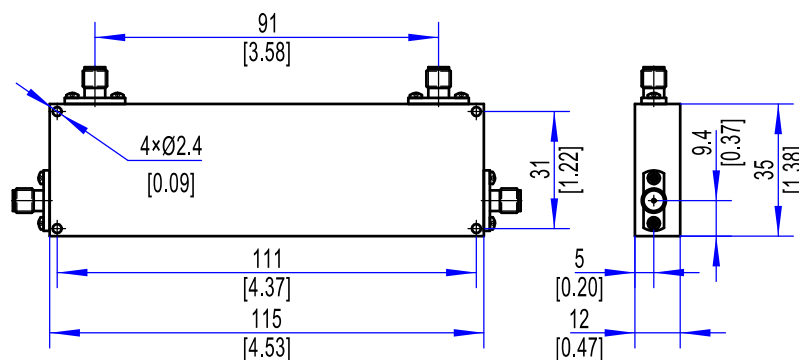
- Ultra-wideband coverage from 0.3 to 0.7 GHz
- High power handling up to 200 W CW
- Tight coupling tolerance ( $\pm 1.0$  dB)
- Excellent coupling flatness ( $\pm 1.0$  dB)
- Low insertion loss and good VSWR

## Applications

- Forward & reflected power monitoring
- HF/VHF communication systems
- RF test & measurement setups
- Transmitter protection and diagnostics
- Signal sampling in broadband systems

Electrical Specifications		
1	Frequency Range	0.3-0.7 GHz
2	Coupling	30 $\pm$ 1.0 dB
3	Coupling Flatness	$\leq \pm 1.0$ dB
4	Insertion Loss	$\leq 0.3$ dB
5	Main Line VSWR	$\leq 1.2:1$
6	Directivity	$\geq 20$ dB
7	Power	200 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>	115×35×12 mm / [4.53×1.38×0.47 in]

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



Note 1: Excluding Connector size