

YSDC600-R5-6-40-N

Directional Coupler, 600 W, 0.5-6 GHz, 40 dB coupling, N-Type

Key Features

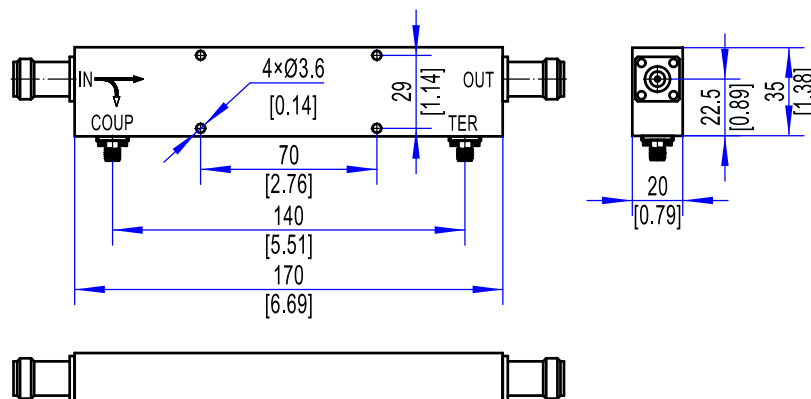
- 0.5-6 GHz broadband operation
- High coupling factor (40 dB)
- Ultra-low insertion loss (≤ 0.5 dB)
- Excellent directivity (≥ 14 dB)
- High CW power handling (600 W)

Applications

- High-power RF signal monitoring
- Broadcast transmitter systems
- Industrial RF heating equipment
- Power amplifier test benches
- Base station and communication systems

Electrical Specifications		
1	Frequency Range	0.08-1 GHz
2	Coupling	40 \pm 1.0 dB
3	Coupling Flatness	$\leq \pm 1.1$ dB
4	Insertion Loss	≤ 0.5 dB
5	Main Line VSWR	$\leq 1.3:1$
6	Secondary Line VSWR	$\leq 1.4:1$
7	Directivity	≥ 14 dB
8	Power	600 W(CW) / 3 KW(PK)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	N-Type Female / SMAFemale
2	Surface Finishing	Natural Conductive Oxidation
3	Dimensions ¹	170 \times 35 \times 20 mm / [6.69 \times 1.38 \times 0.79 in]

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



Note 1: Excluding Connector size