

YS8RPC1000-1-2R5-7

8-Way Radial Power Combiner, 1 kW, 1-2.5 GHz, 7/16 DIN

Key Features

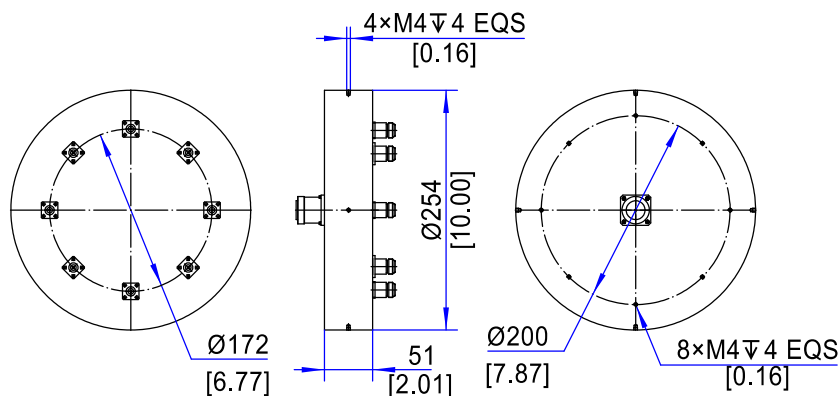
- High-power handling capability
- Low combining loss
- Efficient multi-way power combining
- Compact radial design
- Custom high-power configurations

Applications

- High-power RF amplifiers
- Phased array radar
- Electronic warfare systems
- RF energy and plasma systems
- Broadcast transmitters

Electrical Specifications		
1	Frequency Range	1-2.5 GHz
2	Insertion Loss	≤ 0.8 dB(@ 1-1.2 GHz), ≤ 0.5 (elsewhere)
3	Common Port VSWR	≤ 1.8 dB(@ 1-1.2 GHz), ≤ 1.6 (elsewhere)
4	Amplitude Balance	$\leq \pm 0.5$ dB
5	Phase Balance	$\leq \pm 8^\circ$
6	Power Handling	1 kW(CW)
7	Impedance	50 Ω
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	7/16 DIN Female, N-Type Female
2	Surface Finishing	Clear Conductive Oxide Finish
3	Dimensions ¹	$\Phi 254 \times 51$ mm / [$\Phi 10.00 \times 2.01$ in]

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



Note 1: Excluding Connectors