

YS16RPC1000-2-4-7

16-Way Radial Power Combiner, 1 kW, 2-4 GHz, 7/16 DIN

Key Features

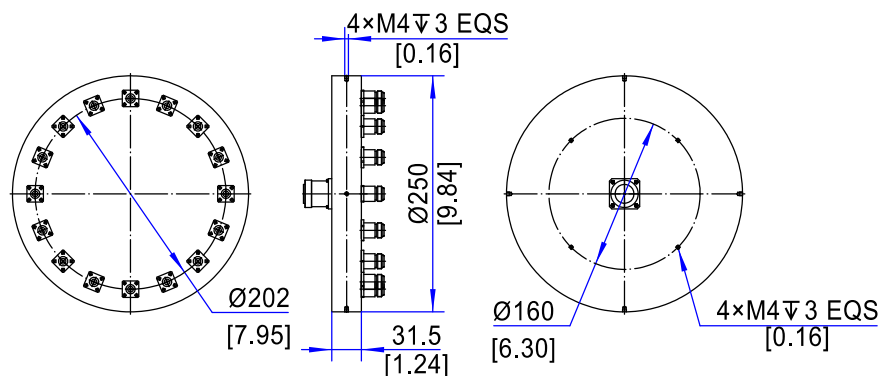
- High-power handling capability
- Low combining loss
- Efficient multi-way power combining
- Compact radial design
- Custom high-power configurations

Applications

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

Electrical Specifications		
1	Frequency Range	2-4 GHz
2	Insertion Loss	≤ 0.5 dB
3	Common Port VSWR	$\leq 1.60:1$
4	Amplitude Balance	$\leq \pm 0.5$ dB
5	Phase Balance	$\leq \pm 8^\circ$ (Among ports of the same unit) $\leq \pm 5^\circ$ (Between corresponding ports of individual units)
6	Power Handling	1 kW(CW), 15 kW(PK, Duty Cycle: 5%, Pulse Width: 1 ms)
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	$\Phi 250 \times 31.5$ mm / [$\Phi 9.84 \times 1.24$ in]

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



Note 1: Excluding Connectors