

YS12RPC500-1-2-N

12-Way Radial Power Combiner, 500 W, 1-2 GHz, N-Type

Key Features

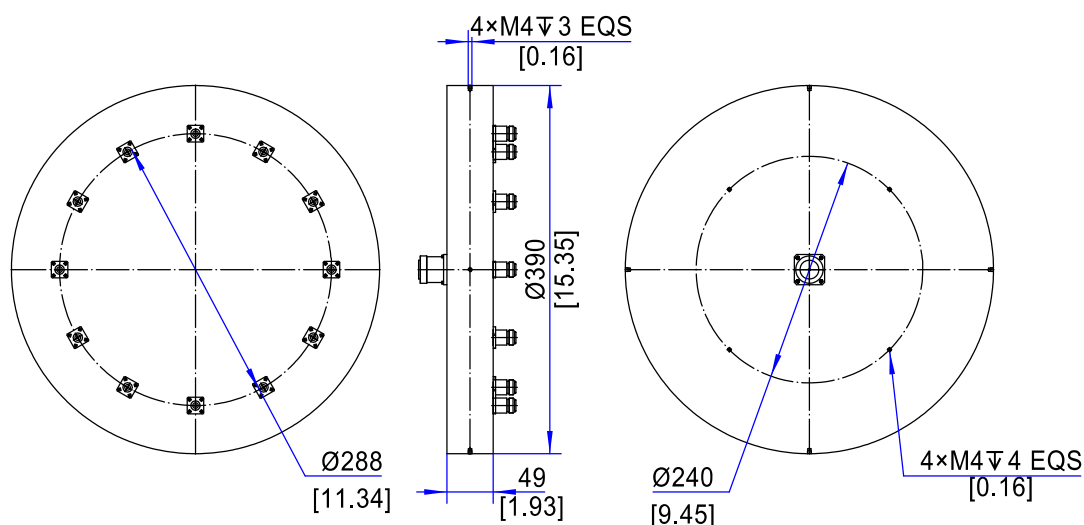
- High-power handling capability
- Low combining loss
- Efficient multi-way power combining
- Compact radial design
- Custom high-power configurations

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 GHz
2	Insertion Loss	≤ 0.6 dB
3	Common Port VSWR	$\leq 1.60:1$
4	Amplitude Balance	$\leq \pm 0.4$ dB
5	Phase Balance	$\leq \pm 5^\circ$
6	Power Handling	500 W(CW), 4 kW(PK)
7	Impedance	50 Ω
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	N-Type Female
2	Surface Finishing	Clear Conductive Oxide Finish
3	Dimensions ¹	$\Phi 390 \times 49$ mm / [$\Phi 15.35 \times 1.93$ in]

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



Note 1: Excluding Connectors