

YS12RPC300-R4-6-N

12-Way Radial Power Combiner, 300 W, 0.4-6 GHz, N-Type

Key Features

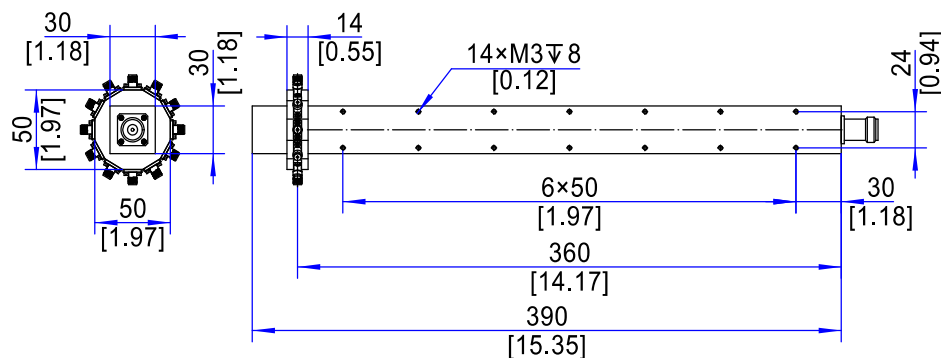
- High-power handling capability
- Low combining loss
- Efficient multi-way power combining
- Compact radial design
- Custom high-power configurations

Applications

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

Electrical Specifications		
1	Frequency Range	0.4-6 GHz
2	Insertion Loss	≤ 1.0 dB(avg.)
3	Common Port VSWR	$\leq 1.60:1$
4	Amplitude Balance	$\leq \pm 0.5$ dB
5	Phase Balance	$\leq \pm 8^\circ$
6	Power Handling	300 W(CW)
7	Impedance	50 Ω
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	N-Type Female, SMA Female
2	Surface Finishing	Silver Plating
3	Dimensions ¹	390×50×50 mm / [15.35×1.97×1.97 in]

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



Note 1: Excluding Connectors