

YS10RPC500-R5-2R5-N

10-Way Radial Power Combiner, 500 W, 0.5-2.5 GHz, N-Type

Key Features

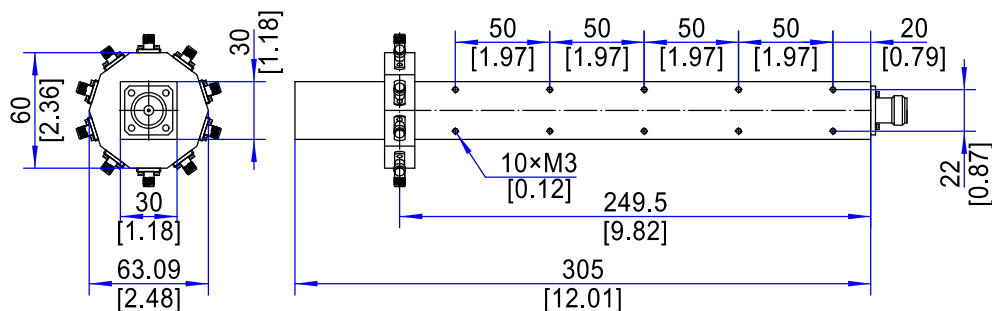
- High-power handling capability
- Low combining loss
- Efficient multi-way power combining
- Compact radial design
- Custom high-power configurations

Applications

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

Electrical Specifications		
1	Frequency Range	0.5-2.5 GHz
2	Insertion Loss	≤ 0.6 dB(avg.)
3	Common Port VSWR	$\leq 1.50:1$
4	Amplitude Balance	$\leq \pm 0.4$ dB
5	Phase Balance	$\leq \pm 6^\circ$
6	Power Handling	500 W(CW), 3.5 kW(PK)
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	Clear Conductive Oxide Finish
3	Dimensions ¹	305×63.09×60 mm / [12.01×2.48×2.36 in]

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



Note 1: Excluding Connectors