

YS2PC40-R42-R45-N

2-Way Power Combiner, 40 W, 0.42-0.45 GHz, N-Type

Key Features

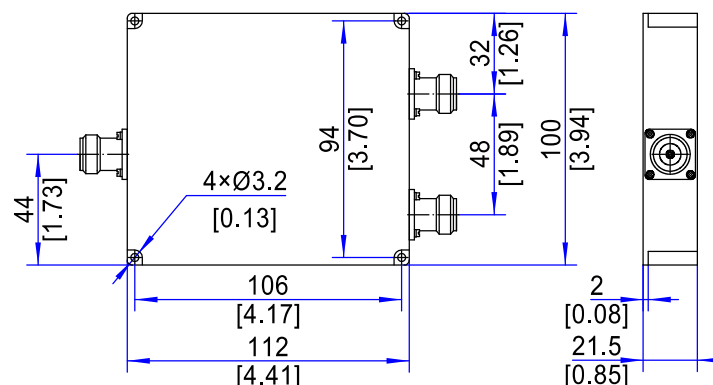
- Low insertion loss
- High port isolation
- Wide operating bandwidth
- Excellent amplitude and phase balance
- Custom frequency and power options

Applications

- RF power amplifier combining
- Wireless infrastructure
- SATCOM systems
- Radar transmitters
- RF test systems

Electrical Specifications		
1	Frequency Range	0.42-0.45 GHz
2	Insertion Loss	≤ 0.9 dB
3	VSWR	$\leq 1.45:1$
4	Isolation	≥ 25 dB
5	Amplitude Balance	$\leq \pm 0.3$ dB
6	Phase Balance	$\leq \pm 5^\circ$
7	Power Handling	4 kW(PW), 1% Duty Cycle
8	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	112×100×21.5 mm / [4.41×3.94×0.85 in]

Outline Drawing (Units: mm/[inch], Tolerance: ± 0.2 mm)



Note 1: Excluding Connectors