

YS4HPC300-1-4R2-N

4-Way Hybrid Power Combiner, 300 W, 1-4.2 GHz, N-Type

Key Features

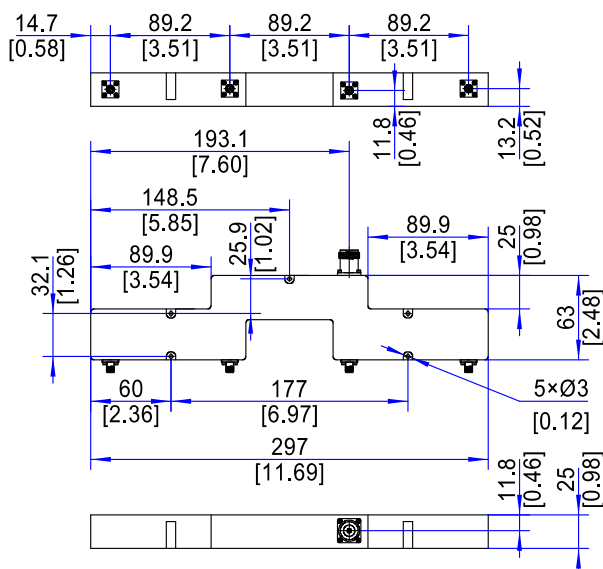
- Low insertion loss
- High port isolation
- Wide operating bandwidth
- Excellent amplitude and phase balance
- Custom frequency and power options

Applications

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

Electrical Specifications		
1	Frequency Range	1-4.2 GHz
2	Insertion Loss	≤ 0.8 dB
3	Output Port VSWR	$\leq 1.50:1$
4	Isolation	≥ 15 dB
5	Amplitude Balance	$\leq \pm 0.8$ dB
6	Phase Balance	$\leq \pm 10^\circ$
7	Power Handling	300 W(CW)
8	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	Natural Conductive Oxidation
3	Dimensions ¹	52×20×12 mm / [2.05×0.79×0.47 in]

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



Note 1: Excluding Connectors

Usage Requirement: For combiner operation, this unit must be used in pairs with a matching unit of the same model. Connection shall follow the wiring diagram provided below.

