

YS4HPC300-5R4-5R8-N

4-Way Hybrid Power Combiner, 300 W, 5.4-5.8 GHz, N-Type

Key Features

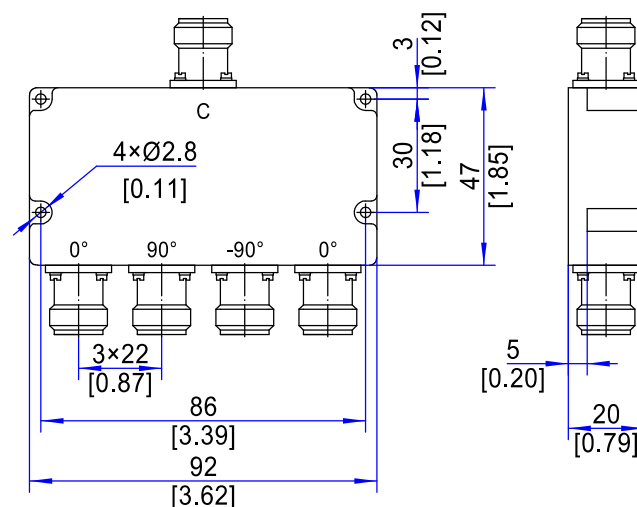
- Low insertion loss
- High port isolation
- Wide operating bandwidth
- Excellent amplitude and phase balance
- Custom frequency and power options

Applications

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

Electrical Specifications		
1	Frequency Range	5.4-5.8 GHz
2	Insertion Loss	≤ 0.4 dB (avg.)
3	Common Port VSWR	≤1.30:1
4	Branch Port VSWR	≤1.40:1
5	Isolation	≥18 dB
6	Amplitude Balance	±0.4 dB
7	Phase Balance	±5°
8	Power Handling	300 W(CW), 2 kW(PK), 15% Duty Cycle
9	Impedance	50 Ω
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	N-Type Female
2	Surface Finishing	Natural Conductive Oxidation
3	Dimensions ¹	92×47×20 mm / [3.62×1.85×0.79 in]

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



Note 1: Excluding Connectors