

YS4HPC300-2-4-MP

4-Way Hybrid Power Combiner, 300 W, 2-4 GHz, Microstrip

Key Features

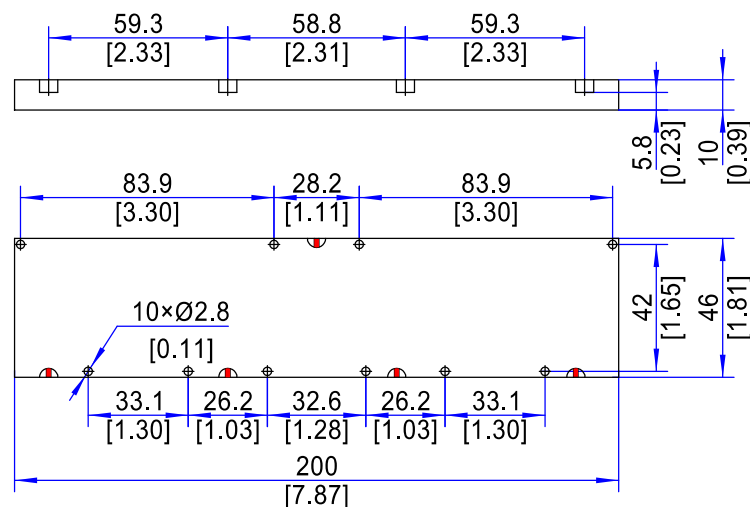
- Low insertion loss
- High port isolation
- Wide operating bandwidth
- Excellent amplitude and phase balance
- Custom frequency and power options

Applications

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

Electrical Specifications		
1	Frequency Range	2-4 GHz
2	Insertion Loss	≤ 0.7 dB (avg.) / 1.0 dB (max.)
3	VSWR	$\leq 1.50:1$
4	Isolation	≥ 15 dB
5	Amplitude Balance	$\leq \pm 0.5$ dB
6	Phase Balance	$\leq \pm 5^\circ$
7	Power Handling	300 W(CW)
8	Impedance	50 Ω
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	Microstrip Port
2	Surface Finishing	Clear Conductive Oxide Finish
3	Dimensions ¹	200×46×10 mm / [7.87×1.81×0.39 in]

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



Usage Requirement: For combiner operation, this unit must be used in pairs with a matching unit of the same model.

Note 1: Excluding Connectors