

YS4HPC300-5R7-6R8-MP

4-Way Hybrid Power Combiner, 300 W, 5.7-6.8 GHz, Microstrip

Key Features

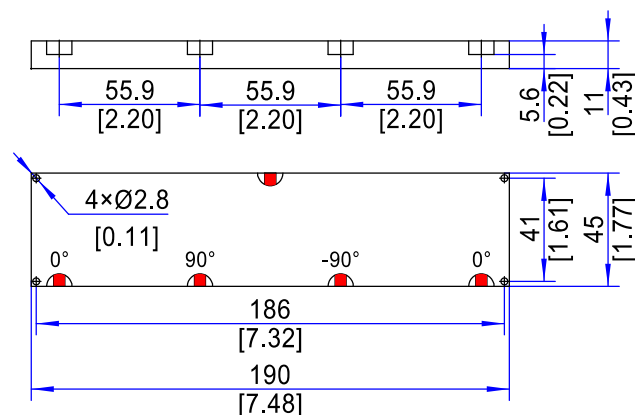
- Low insertion loss
- High port isolation
- Wide operating bandwidth
- Excellent amplitude and phase balance
- Custom frequency and power options

Applications

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

Electrical Specifications		
1	Frequency Range	5.7-6.8 GHz
2	Insertion Loss	≤ 0.7 dB (avg.)
3	Common Port VSWR	$\leq 1.40:1$
4	Branch Port VSWR	$\leq 1.60:1$
5	Isolation	≥ 16 dB
6	Amplitude Balance	$\leq \pm 0.5$ dB
7	Phase Balance	$\leq \pm 5^\circ$
8	Power Handling	300 W(CW)
9	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	190×45×11 mm / [7.48×1.77×0.43 in]

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



Note 1: Excluding Connectors