

YS4PC250-R95-1R25-F

4-Way Power Combiner, 250 W, 0.95-1.25 GHz, Feedthrough

Key Features

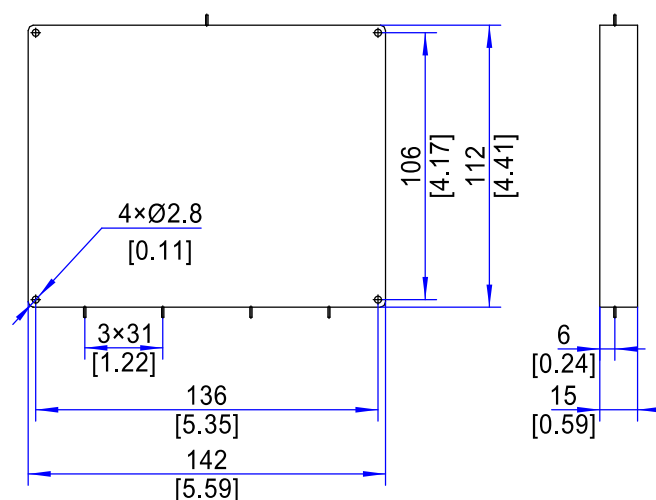
- Low insertion loss
- High port isolation
- Wide operating bandwidth
- Excellent amplitude and phase balance
- Custom frequency and power options

Applications

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

Electrical Specifications		
1	Frequency Range	0.95-1.25 GHz
2	Insertion Loss	≤ 0.5 dB
3	Common Port VSWR	$\leq 1.20:1$
4	Branch Port VSWR	$\leq 1.20:1$
5	Isolation	≥ 18 dB
6	Amplitude Balance	$\leq \pm 0.3$ dB
7	Phase Balance	$\leq \pm 3^\circ$
8	Power Handling	250 W(CW), 2.5 kW(PK), Duty Cycle: 10%, Pulse Width: 200 μ s
9	Impedance	50 Ω
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	$\Phi 0.9$ mm Feedthrough
2	Surface Finishing	Housing: Silver Plated
3	Dimensions ¹	142×112×15 mm / [5.59×4.41×0.59 in]

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



Note 1: Excluding Connectors