

YS4PC80-9R5-10R5-F

4-Way Power Combiner, 80 W, 9.5-10.5 GHz, Feedthrough

Key Features

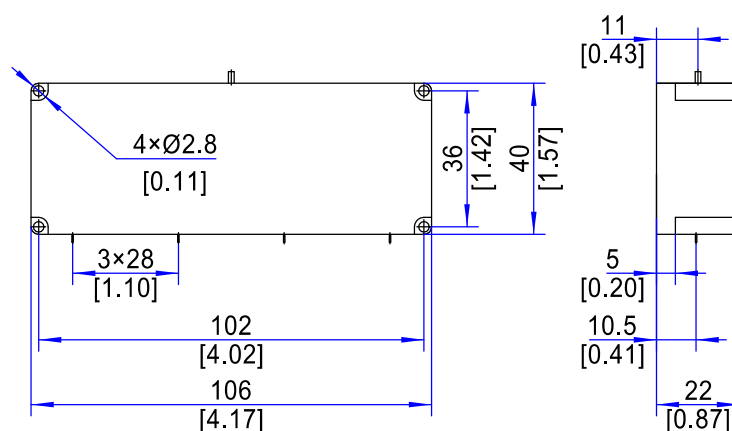
- Low insertion loss
- High port isolation
- Wide operating bandwidth
- Excellent amplitude and phase balance
- Custom frequency and power options

Applications

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

Electrical Specifications		
1	Frequency Range	9.5-10.5 GHz
2	Insertion Loss	≤ 0.75 dB
3	Common Port VSWR	$\leq 1.40:1$
4	Branch Port VSWR	$\leq 1.40:1$
5	Isolation	≥ 18 dB
6	Amplitude Balance	$\leq \pm 0.3$ dB
7	Phase Balance	$\leq \pm 4^\circ$
8	Power Handling	80 W(CW), 400 W(240 us, 20% Duty Cycle)
9	Impedance	50 Ω
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	Common Port: $\phi 1.5$ mm Feedthrough Branch Ports: $\phi 0.5$ mm Feedthrough
2	Surface Finishing	Silver Plating
3	Dimensions ¹	106×40×22 mm / [4.17×1.57×0.87 in]

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



Note 1: Excluding Connectors