

YS8PC100-R7-4R2-S

8-Way Power Combiner, 100 W, 0.7-4.2 GHz, SMA

Key Features

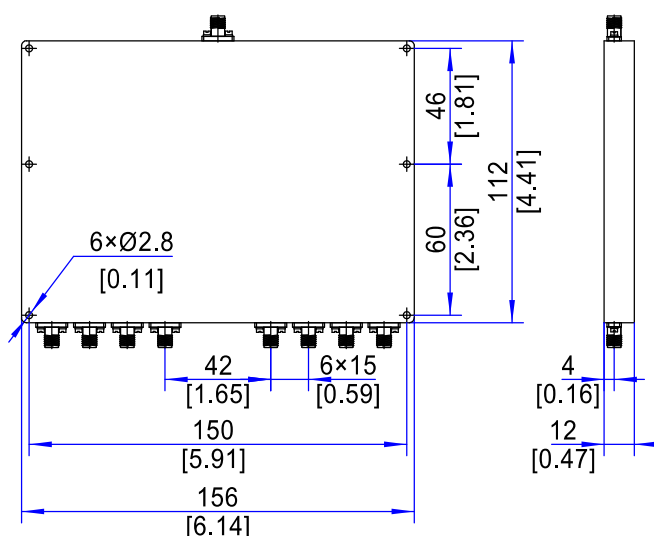
- Low insertion loss
- High port isolation
- Wide operating bandwidth
- Excellent amplitude and phase balance
- Custom frequency and power options

Applications

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

Electrical Specifications		
1	Frequency Range	0.7-4.2 GHz
2	Insertion Loss	≤ 2.0 dB
3	Common Port VSWR	$\leq 1.50:1$
4	Branch Port VSWR	$\leq 1.30:1$
5	Isolation	≥ 18 dB
6	Amplitude Balance	$\leq \pm 0.5$ dB
7	Phase Balance	$\leq \pm 5^\circ$
8	Power Handling	100 W(CW)
9	Impedance	50 Ω
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Surface Finishing	Silver Plating
3	Dimensions ¹	156×112×12 mm / [6.14×4.41×0.47 in]

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



Note 1: Excluding Connectors