

YS180H100-5R85-8R2-15-S

180° Hybrid Coupler, 100 W, 5.85-8.2 GHz, 15 dB Isolation, SMA

Key Features

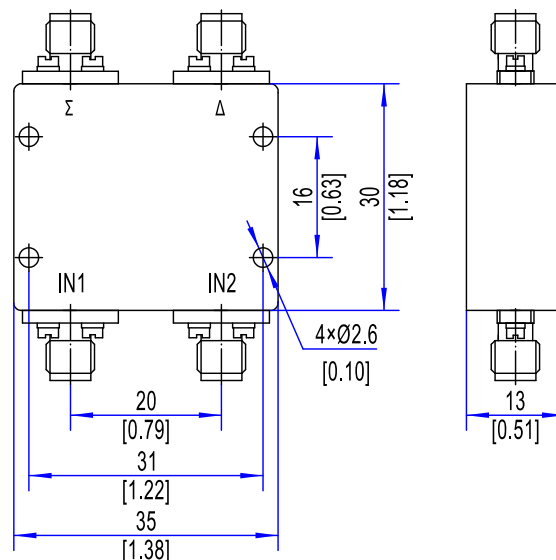
- Equal power split
- 180° phase difference
- Sum & difference ports
- High port isolation
- Low insertion loss

Applications

- Monopulse radar
- Balanced amplifiers
- Balanced mixers
- Antenna feed networks
- RF power combining

Electrical Specifications		
1	Frequency Range	5.85-8.2 GHz
2	Insertion Loss	≤0.8 dB
3	VSWR	≤1.60:1
4	Isolation	≥15 dB
5	Amplitude Balance	≤±0.6 dB
6	Phase Balance	≤±6°
7	Power Handling	100 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Surface Finishing	Housing: Silver Plated; Cover: Clear Conductive Oxide Finish
3	Dimensions ¹	35×30×13 mm / [1.38×1.18×0.51 in]

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



Note 1: Excluding Connector size