

YS180H20-1R3-2R4-18-S

180° Hybrid Coupler, 20 W, 1.3-2.4 GHz, 18 dB Isolation, SMA

Key Features

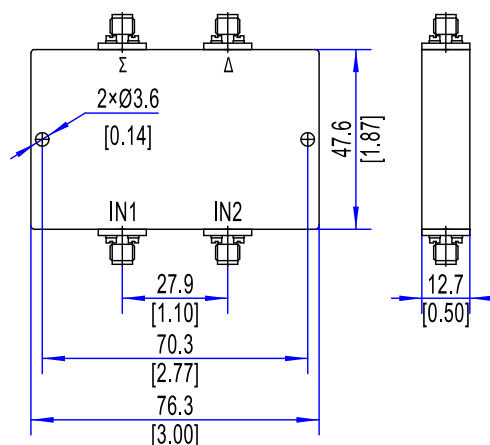
- Equal power split
- 180° phase difference
- Sum & difference ports
- High port isolation
- Low insertion loss

Applications

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

Electrical Specifications		
1	Frequency Range	1.3-2.4 GHz
2	Insertion Loss	≤0.5 dB
3	VSWR	≤1.35:1
4	Isolation	≥18 dB
5	Amplitude Balance	≤±0.25 dB
6	Phase Balance	≤±4°
7	Power Handling	20 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Surface Finishing	Nickel Plated
3	Dimensions ¹	76.3×47.6×12.7 mm / [3.00×1.87×0.50 in]

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



Note 1: Excluding Connector size