

YS180H50-R4-1-20-S

180° Hybrid Coupler, 50 W, 0.4-1 GHz, 20 dB Isolation, SMA

Key Features

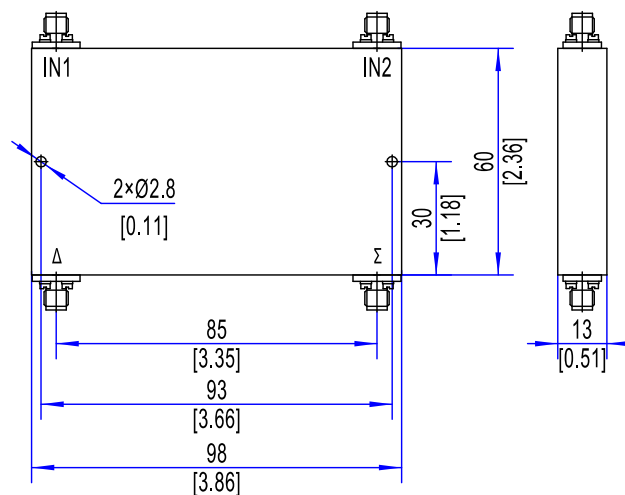
- Equal power split
- 180° phase difference
- Sum & difference ports
- High port isolation
- Low insertion loss

Applications

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

Electrical Specifications		
1	Frequency Range	0.4-1 GHz
2	Insertion Loss	≤1.0 dB
3	VSWR	≤1.40:1
4	Isolation	≥20 dB
5	Amplitude Balance	≤±0.6 dB
6	Phase Balance	≤±10°
7	Power Handling	50 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Surface Finishing	Natural Conductive Oxidation
3	Dimensions ¹	98×60×13 mm / [3.86×2.36×0.51 in]

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



Note 1: Excluding Connector size