

YS90H50-1-4-20-S

90° Hybrid Coupler, 50 W, 1-4 GHz, 20 dB Isolation, SMA

Key Features

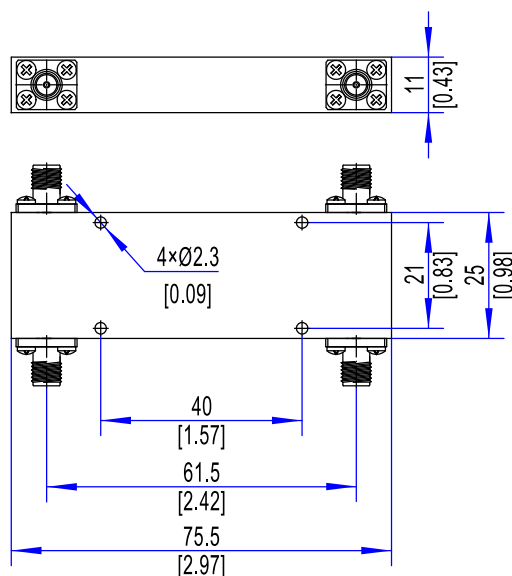
- Equal power split
- 90° phase difference
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

- IQ modulation & demodulation
- Balanced amplifiers
- Balanced mixers
- Phased array systems
- RF test & measurement

Electrical Specifications		
1	Frequency Range	1-4 GHz
2	Insertion Loss	≤0.4 dB
3	VSWR	≤1.30:1
4	Isolation	≥20 dB
5	Amplitude Balance	≤±0.6 dB
6	Phase Balance	≤±4°
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	75.5×25×11 mm / [2.97×0.98×0.43 in]

Outline Drawing (Units: mm/[inch], Tolerance: ±0.3 mm)



Note 1: Excluding Connector size