

YS90H50-1-2-22-S

90° Hybrid Coupler, 50 W, 1-2 GHz, 22 dB Isolation, SMA

Key Features

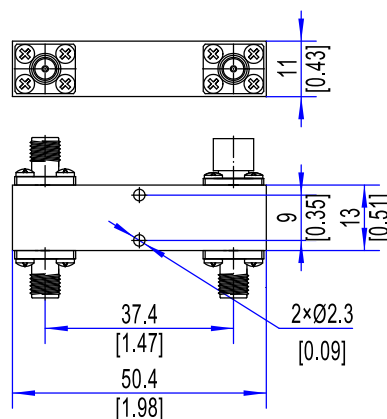
- Equal power split
- 90° phase difference
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

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

Electrical Specifications		
1	Frequency Range	1-2 GHz
2	Insertion Loss	≤0.2 dB
3	VSWR	≤1.20:1
4	Isolation	≥22 dB
5	Amplitude Balance	≤±0.5 dB
6	Phase Balance	≤±2°
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	Gray-white painted housing
3	Dimensions ¹	50.4×13×11 mm / [1.98×0.51×0.43 in]

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



Note 1: Excluding Connector size