

YS90H50-2R2-2R4-22-S

90° Hybrid Coupler, 50 W, 2.2-2.4 GHz, 22 dB Isolation, SMA

Key Features

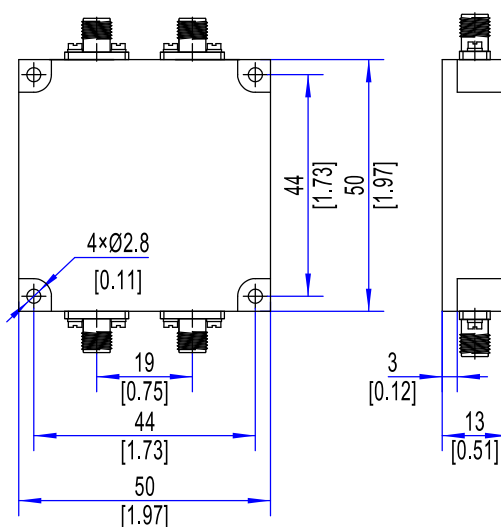
- Equal power split
- Quadrature (90°) output
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

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

Electrical Specifications		
1	Frequency Range	2.2-2.4 GHz
2	Insertion Loss	≤0.4 dB
3	VSWR	≤1.25:1
4	Isolation	≥20 dB(Min.), ≥22 dB(Typ.)
5	Amplitude Balance	≤±0.3 dB
6	Phase Balance	≤±5°
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	Silver Plating
3	Dimensions ¹	50×50×13 mm / [1.97×1.97×0.51 in]

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



Note 1: Excluding Connector size