

YS90H50-5R25-5R85-18-S

90° Hybrid Coupler, 50 W, 5.25-5.85 GHz, 18 dB Isolation, SMA

Key Features

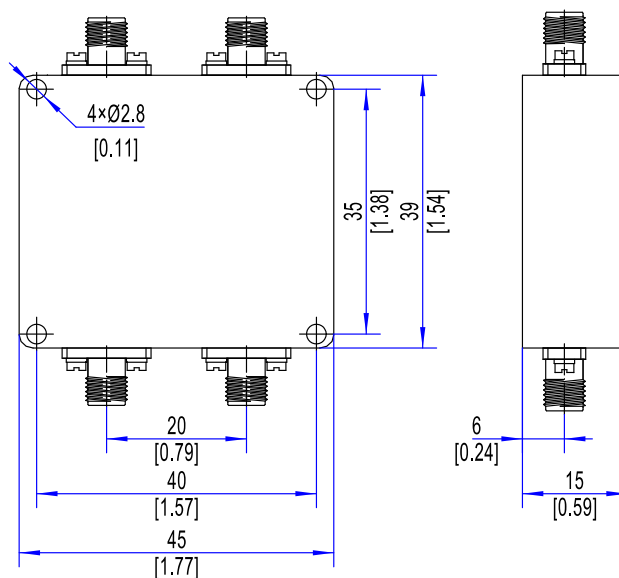
- Equal power split
- Quadrature (90°) output
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

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

Electrical Specifications		
1	Frequency Range	5.25-5.85 GHz
2	Insertion Loss	≤0.6 dB
3	VSWR	≤1.50:1
4	Isolation	≥18 dB
5	Amplitude Balance	≤±0.4 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	Sealing Method	Laser Seal Welding
3	Surface Finishing	Gray-white painted housing
4	Dimensions ¹	45×39×15 mm / [1.77×1.54×0.59 in]

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



Note 1: Excluding Connector size