

YS90H125-R8-4R5-12-S

90° Hybrid Coupler, 125 W, 0.8-4.5 GHz, 12 dB Isolation, SMA

Key Features

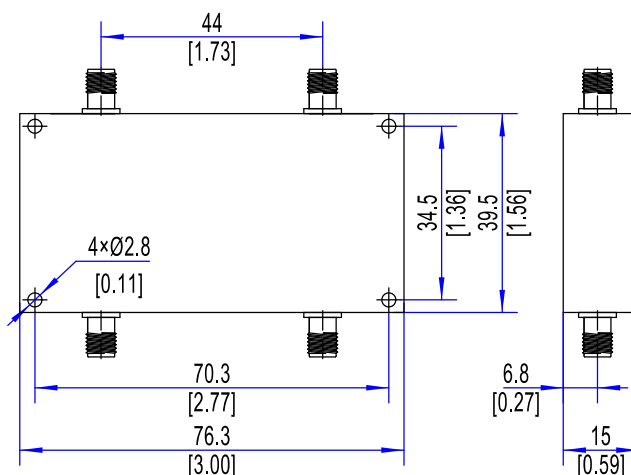
- Equal power split
- Quadrature (90°) output
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

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

Electrical Specifications		
1	Frequency Range	0.8-4.5 GHz
2	Insertion Loss	≤1.8 dB
3	VSWR	≤1.70:1
4	Isolation	≥12 dB
5	Amplitude Balance	≤±1.8 dB
6	Phase Balance	≤±15°
7	Power Handling	125 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	76.3×39.5×15 mm / [3.00×1.56×0.59 in]

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



Note 1: Excluding Connector size