

YS90H100-80M-1-16-S

90° Hybrid Coupler, 100 W, 0.08-1 GHz, 16 dB Isolation, SMA

Key Features

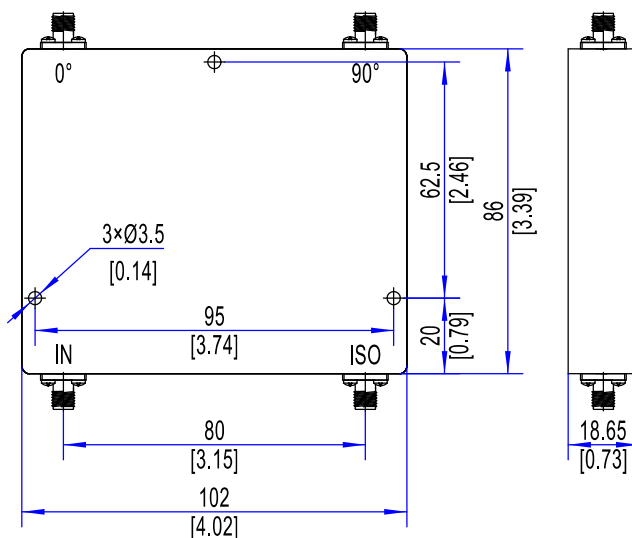
- Equal power split
- 90° phase difference
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

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

Electrical Specifications		
1	Frequency Range	0.08-1 GHz
2	Insertion Loss	≤0.9 dB
3	VSWR	≤1.30:1
4	Isolation	≥16 dB
5	Amplitude Balance	≤±1.3 dB @ 0.09-1 GHz ≤±1.5 dB @0.08-0.09 GHz
6	Phase Balance	≤±8°
7	Power Handling	100 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female, N-Type Female
2	Surface Finishing	Natural Conductive Oxidation
3	Dimensions ¹	102×86×18.65 mm / [4.02×3.39×0.73 in]

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



Note 1: Excluding Connector size