

YS90H800-R4-R7-20-N

90° Hybrid Coupler, 800 W, 0.4-0.7 GHz, 20 dB Isolation, N-Type

Key Features

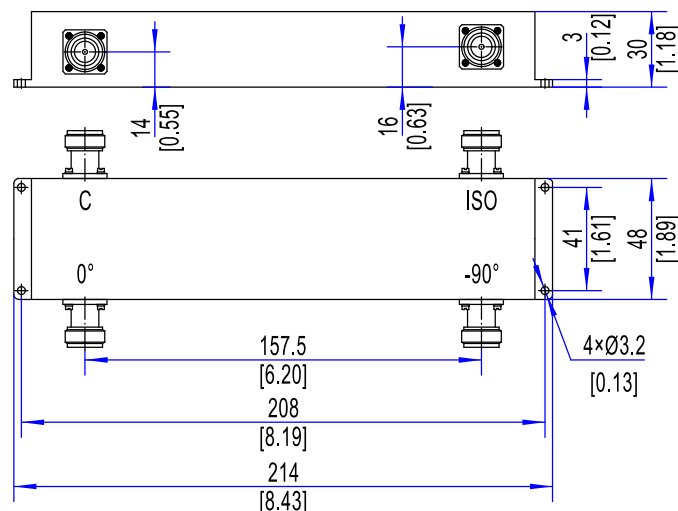
- Equal power split
- Quadrature (90°) output
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

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

Electrical Specifications		
1	Frequency Range	0.4-0.7 GHz
2	Insertion Loss	≤0.25 dB
3	VSWR	≤1.30:1
4	Isolation	≥20 dB
5	Amplitude Balance	≤±0.5 dB
6	Phase Balance	≤±3°
7	Power Handling	800 W(CW), 5 kW(Peak)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	N-Type Female, Ø1.5 mm Insulator (Isolation Port)
2	Surface Finishing	Housing: Silver Plated; Cover: Clear Conductive Oxide Finish
3	Dimensions ¹	214×48×30 mm / [8.43×1.89×1.18 in]

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



Note 1: Excluding Connector size