

YS90H500-R5-2-16-N

90° Hybrid Coupler, 500 W, 0.5-2 GHz, 16 dB Isolation, N-Type

Key Features

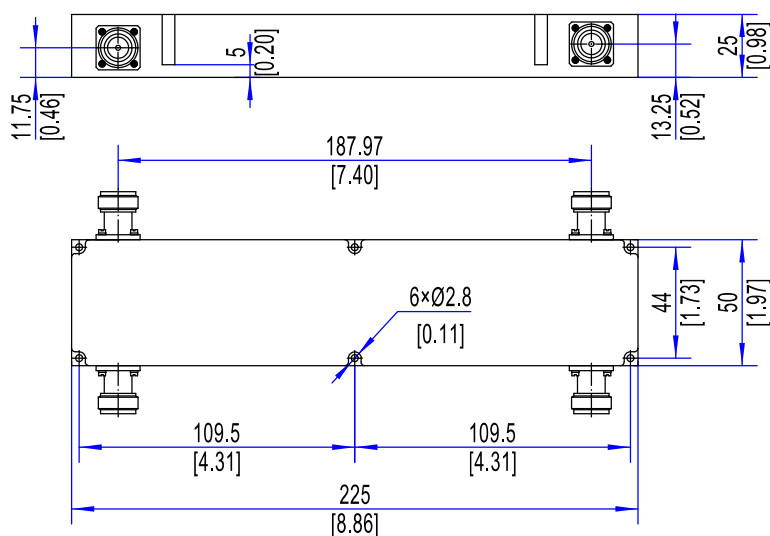
- Equal power split
- Quadrature (90°) output
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

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

Electrical Specifications		
1	Frequency Range	0.5-2 GHz
2	Insertion Loss	≤0.35 dB
3	VSWR	≤1.40:1
4	Isolation	≥16 dB
5	Amplitude Balance	≤±0.6 dB
6	Phase Balance	≤±5°
7	Power Handling	500 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	N-Type Female
2	Surface Finishing	Natural Conductive Oxidation
3	Dimensions ¹	225×50×25 mm / [8.86×1.97×0.98 in]

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



Note 1: Excluding Connector size