

YS90H300-R7-6-17-N

90° Hybrid Coupler, 300 W, 0.7-6 GHz, 17 dB Isolation, N-Type

Key Features

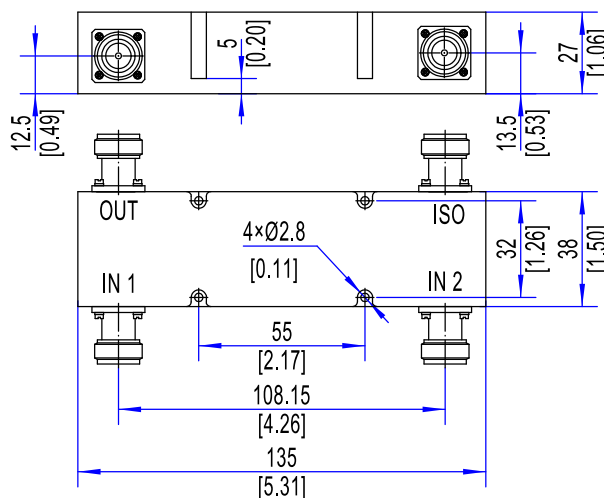
- Equal power split
- Quadrature (90°) output
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

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

Electrical Specifications		
1	Frequency Range	0.7-6 GHz
2	Insertion Loss	≤0.5 dB
3	VSWR	≤1.50:1
4	Isolation	≥17 dB
5	Amplitude Balance	±0.5 dB @ 1-6 GHz; ±1.2 dB @ 0.7-1 GHz
6	Phase Balance	±5°
7	Power Handling	300 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	135×38×27 mm / [5.31×1.50×1.06 in]

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



Note 1: Excluding Connector size