

YS90H100-4-12-16-N

90° Hybrid Coupler, 100 W, 4-12 GHz, 16 dB Isolation, N-Type

Key Features

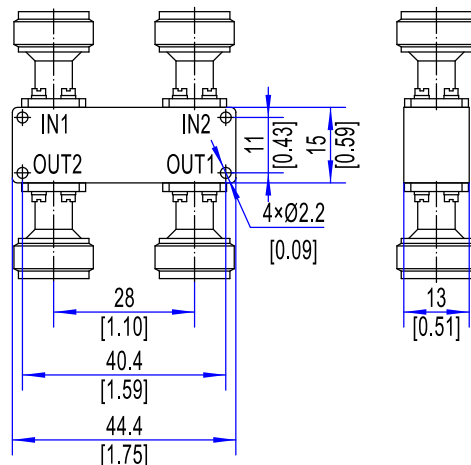
- Equal power split
- Quadrature (90°) output
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

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

Electrical Specifications		
1	Frequency Range	4-12 GHz
2	Insertion Loss	≤1.0 dB
3	VSWR	≤1.70:1
4	Isolation	≥16 dB
5	Amplitude Balance	≤±0.7 dB
6	Phase Balance	≤±5°
7	Power Handling	100 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	N-Type Female
2	Surface Finishing	Gray-white painted housing
3	Dimensions ¹	44.4×15×13 mm / [1.75×0.59×0.51 in]
Phase Relationship		
Output Phase Relationship	OUT 1	OUT 2
IN 1	0°	90°
IN 2	90°	0°

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



Note 1: Excluding Connector size