

YS90H100-R6-6-18-S

90° Hybrid Coupler, 100 W, 0.6-6 GHz, 18 dB Isolation, SMA

Key Features

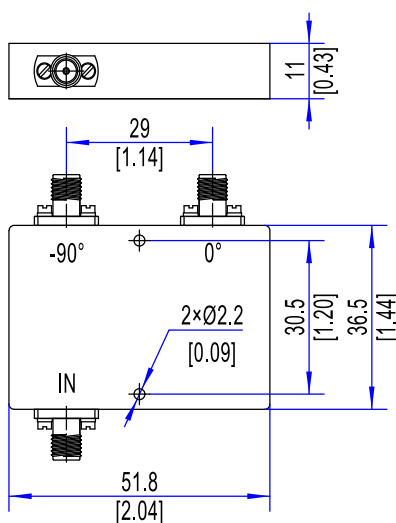
- Equal power split
- 90° phase difference
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

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

Electrical Specifications		
1	Frequency Range	0.6-6 GHz
2	Insertion Loss	≤1.2 dB
3	VSWR	≤1.40:1(Typ.), ≤1.55:1(Max.)
4	Isolation	≥18 dB
5	Amplitude Balance	≤±1.1 dB(Typ.), ≤±1.3 dB(Max.)
6	Phase Balance	≤±6°(Typ.), ≤±8°(Max.)
7	Power Handling	100 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Surface Finishing	Natural Conductive Oxidation
3	Dimensions ¹	51.8×36.5×11 mm / [2.04×1.44×0.43 in]

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



Note 1: Excluding Connector size