

# YS90H400-2-4-18-N

90° Hybrid Coupler, 400 W, 2-4 GHz, 18 dB Isolation, N-Type

## Key Features

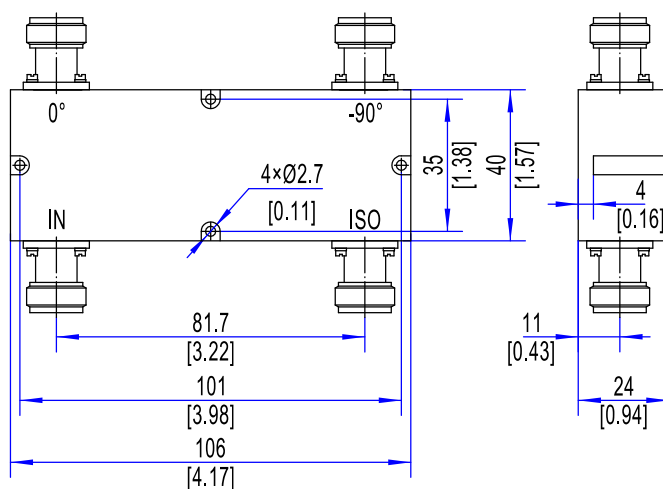
- Equal power split
- Quadrature (90°) output
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

## Applications

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

| Electrical Specifications    |                         |                                    |
|------------------------------|-------------------------|------------------------------------|
| 1                            | Frequency Range         | 2-4 GHz                            |
| 2                            | Insertion Loss          | ≤0.3 dB                            |
| 3                            | VSWR                    | ≤1.30:1                            |
| 4                            | Isolation               | ≥18 dB                             |
| 5                            | Amplitude Balance       | ≤±0.3 dB                           |
| 6                            | Phase Balance           | ≤±5°                               |
| 7                            | Power Handling          | 400 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 <sup>1</sup> | 106×40×24 mm / [4.17×1.57×0.94 in] |

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



Note 1: Excluding Connector size