

YSCI100-1R5-3R6-N

1.5-3.6 GHz Coaxial Isolator, 100 W, 18 dB Isolation

Key Features

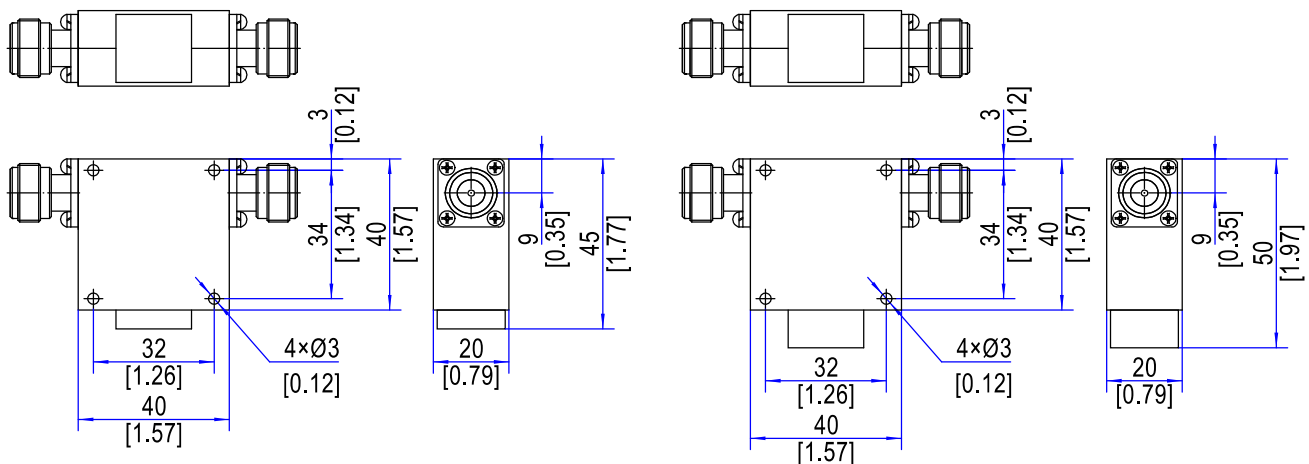
- Wide frequency coverage
- High isolation and low insertion loss
- Compact coaxial design for easy integration
- High power handling capability
- Excellent VSWR for reliable signal matching

Applications

- Satellite & Aerospace Communications
- Radar and electronic warfare (EW) systems
- Test & measurement equipment
- RF power amplification chains
- Telecommunication and broadcast networks

Electrical Specifications					
Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR	CW Power (w)	Reverse Power (w)
1.5-3.0	0.7	17	1.35	100	20/100
1.7-2.7	0.6	18	1.30	100	20/100
1.8-2.7	0.6	18	1.30	100	20/100
1.8-3.6	0.7	17	1.35	100	20/100
Impedance	50 Ω				
Environmental Specifications					
Operating Temperature	-10°C to +60°C				
Storage Temperature	-50°C to +90°C				
Mechanical Specifications					
Connectors	N-Type Female, SMA Female				
Dimension ¹	Reflected Power 20 W: 40×45×20 mm / [1.57×1.77×0.79 in] Reflected Power 100 W: 40×50×20 mm / [1.57×1.97×0.79 in]				

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



Outline A

Maximum Reflected Power: 20 W

Outline B

Maximum Reflected Power: 100 W

Ordering Information:

Example: 1.7-2.7 GHz, 100 W, N-Type Connector, Reflected Power 100 W.

Model: YSCI100-1R7-2R7-N-100

Note 1: Excluding connector size.