

YS2CI100-3-6R5-N

3-6.5 GHz Dual-Junction Coaxial Isolator, 100 W, 40 dB Isolation

Key Features

- High isolation
- High reverse power handling
- Low insertion loss
- Excellent VSWR
- Compact, customizable design

Applications

- Radar and EW systems
- Satellite & aerospace communications
- Defense and high-power transmitters
- RF test equipment
- Telecom infrastructure

Electrical Specifications

Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR	CW Power (w)	Reverse Power (w)
3.0-3.6	1.0	38	1.25	100	20
3.0-4.2	1.0	36	1.30	100	20
3.0-4.8	1.0	36	1.30	100	20
3.0-5.0	1.0	36	1.25	100	20
3.0-6.0	1.0	36	1.30	100	20
3.2-6.0	1.0	36	1.30	100	20
3.3-3.8	0.8	40	1.25	100	20
3.3-5.0	1.0	36	1.30	100	20
3.4-3.6	0.8	40	1.20	100	20
3.4-4.2	0.8	40	1.25	100	20
3.7-4.2	0.8	40	1.20	100	20
4.0-5.0	0.8	40	1.25	100	20
4.0-6.0	0.9	40	1.25	100	20
4.4-5.0	0.8	40	1.25	100	20
4.4-5.25	0.8	40	1.20	100	20
4.4-5.9	0.8	40	1.25	100	20
4.5-5.25	0.8	40	1.25	100	20
4.9-5.8	0.8	40	1.25	100	20
5.0-6.0	0.8	36	1.30	100	20
5.0-6.5	1.0	36	1.30	100	20
5.3-5.9	0.6	40	1.20	100	20
5.3-6.3	1.0	36	1.30	100	20
5.4-5.8	0.8	40	1.25	100	20
5.4-6.2	0.8	36	1.30	100	20
5.5-6.0	0.8	40	1.25	100	20
Impedance	50 Ω				

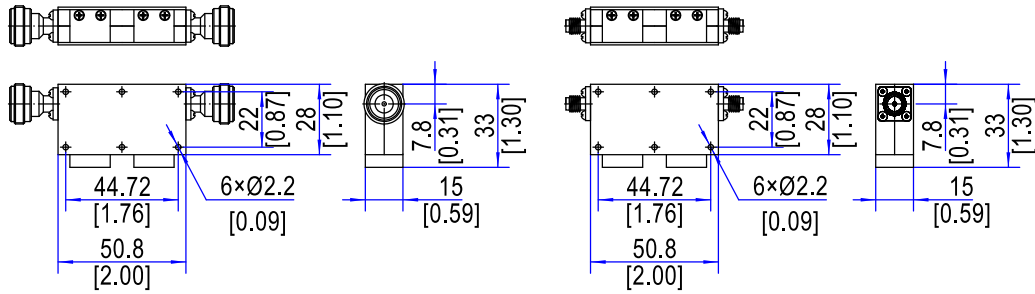
Environmental Specifications

Operating Temperature	-10°C to +60°C
Storage Temperature	-50°C to +90°C

Mechanical Specifications

Connectors	SMA Female, N-Type Female
Dimension ¹	50.8×33×15 mm / [2.00×1.30×0.59 in]

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



Outline A
N-Type Connector

Outline B
SMA Connector

Example: 3-3.6 GHz, 100 W, N-Type Connector.

Model: YS2CI100-3-3R6-N

Note 1:Excluding connector size.