

YS2CI100-R3-1R2-N

0.3-1.2 GHz Dual-Junction Coaxial Isolator, 100 W, 50 dB Isolation

Key Features

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

Applications

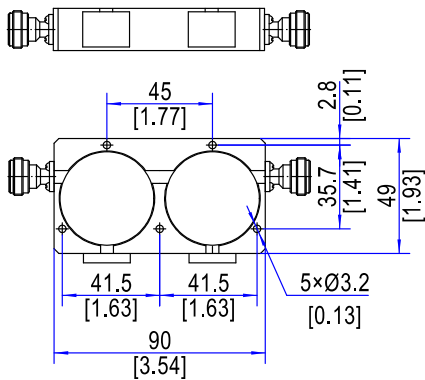
- Radar and EW systems
- Satellite & aerospace communications
- Defense and high-power transmitters
- RF test equipment
- Telecom infrastructure

Electrical Specifications

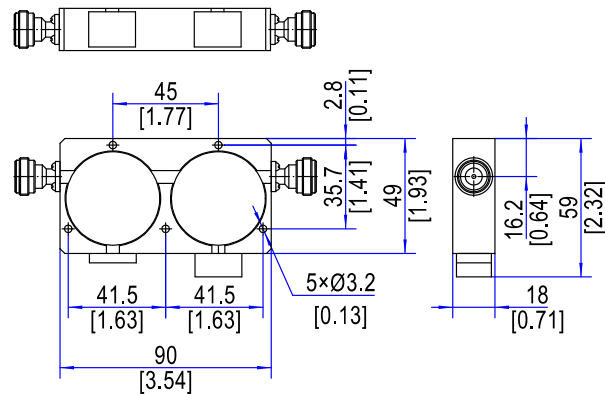
Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR	CW Power (w)	Reverse Power (w)
0.3-0.35	1.0	40	1.25	100	20/100
0.3-0.4	1.2	36	1.30	100	20/100
0.3-0.42	1.6	32	1.40	100	20/100
0.32-0.415	1.6	36	1.40	100	20/100
0.345-0.415	1.2	40	1.25	100	20/100
0.35-0.4	0.8	40	1.20	100	20/100
0.35-0.47	1.0	38	1.25	100	20/100
0.36-0.44	0.8	40	1.25	100	20/100
0.36-0.47	1.0	40	1.25	100	20/100
0.375-0.415	0.8	40	1.25	100	20/100
0.38-0.48	1.0	36	1.30	100	20/100
0.4-0.43	0.5	50	1.15	100	20/100
0.4-0.5	1.0	40	1.25	100	20/100
0.4-0.52	1.0	36	1.30	100	20/100
0.4-0.55	1.2	36	1.30	100	20/100
0.4-0.6	1.8	28	1.60	100	20/100
0.412-0.512	1.0	40	1.25	100	20/100
0.44-0.47	0.5	50	1.15	100	20/100
0.45-0.6	1.0	36	1.30	100	20/100
0.46-0.605	1.0	36	1.30	100	20/100
0.47-0.52	0.8	40	1.25	100	20/100
0.47-0.61	1.0	36	1.30	100	20/100
0.47-0.65	1.2	36	1.30	100	20/100
0.5-0.7	1.2	36	1.30	100	20/100
0.52-0.57	0.6	46	1.20	100	20/100
0.57-0.61	0.6	46	1.20	100	20/100
0.6-0.9	1.6	30	1.50	100	20/100
0.61-0.96	1.6	34	1.50	100	20/100
0.62-0.862	1.0	40	1.25	100	20/100
0.69-1.0	1.2	36	1.30	100	20/100

0.698-0.96	1.0	40	1.25	100	20/100
0.7-1.0	1.2	40	1.25	100	20/100
0.76-1.01	1.0	40	1.25	100	20/100
0.8-0.9	0.6	46	1.20	100	20/100
0.8-1.0	0.8	40	1.25	100	20/100
0.8-1.2	1.2	32	1.40	100	20/100
Impedance	50 Ω				
Environmental Specifications					
Operating Temperature	-30°C to +70°C, -40°C to +85°C Please consult with a sales engineer to verify all specifications within the operating temperature range of -40°C to +85°C.				
Storage Temperature	-50°C to +90°C				
Mechanical Specifications					
Connectors	SMA Female, N-Type Female				
Dimension ¹	Reflected Power 20 W: 90×53×18 mm / [3.54×2.09×0.71 in] Reflected Power 100 W: 90×59×18 mm / [3.54×2.32×0.71 in]				

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

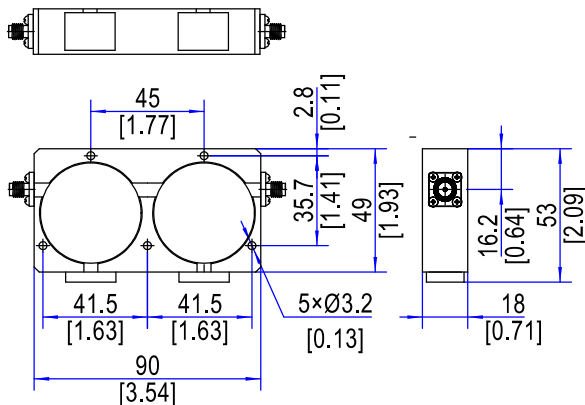


Maximum Reflected Power: 20 W

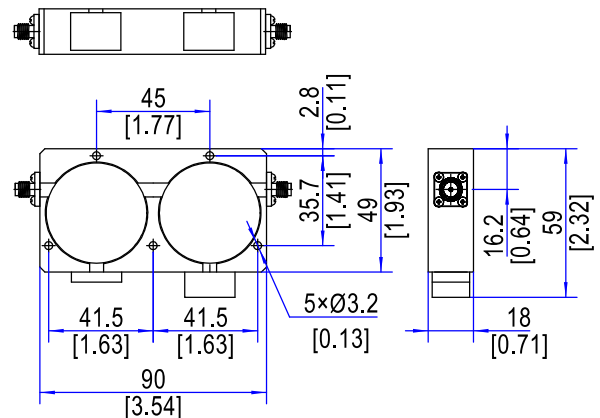


Maximum Reflected Power: 100 W

Outline A: N-Type Connector



Maximum Reflected Power: 20 W



Maximum Reflected Power: 100 W

Outline B: SMA Connector

Example: 0.3-0.35 GHz, 100 W, N-Type Connector, Reflected Power 100 W.

Model: YS2CI100-R3-R35-N-100

Note 1: Excluding connector size.