

YS2CI300-R7-4R2-S

0.7-4.2 GHz Dual-Junction Coaxial Isolator, 300 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

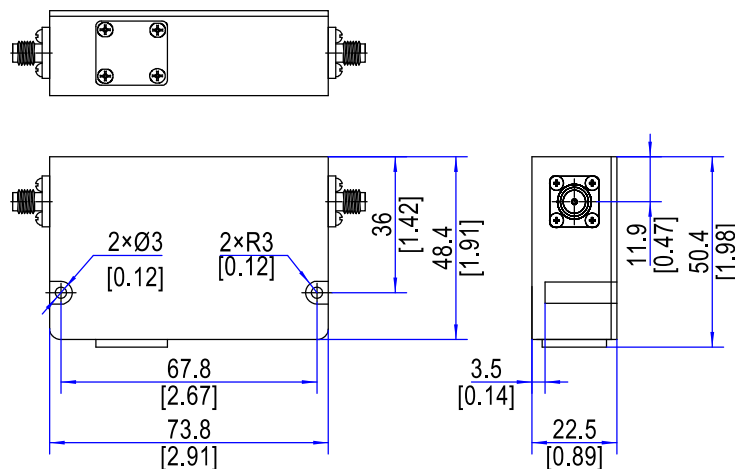
Electrical Specifications

Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR	CW Power (w)	Reverse Power (w)
0.7-0.75	0.8	40	1.25	300	20
0.7-0.803	0.8	40	1.25	300	20
0.75-0.8	0.6	46	1.20	300	20
0.8-0.85	0.6	46	1.20	300	20
0.8-1.0	1.0	36	1.30	300	20
0.85-0.855	0.5	50	1.15	300	20
0.85-0.9	0.6	46	1.20	300	20
0.85-0.96	0.8	40	1.25	300	20
0.86-0.96	0.8	40	1.25	300	20
0.9-0.92	0.6	46	1.20	200	20
0.925-0.96	0.6	46	1.20	200	20
0.955-1.22	0.9	36	1.30	300	20
0.96-1.23	0.9	36	1.30	300	20
0.962-1.213	0.9	40	1.25	300	20
1.0-1.1	0.6	46	1.20	200	20
1.0-1.2	0.8	40	1.25	200	20
1.02-1.04	0.4	50	1.15	200	20
1.02-1.1	0.6	46	1.20	200	20
1.022-1.038	0.4	50	1.15	200	20
1.03-1.039	0.4	50	1.15	200	20
1.03-1.09	0.6	46	1.20	200	20
1.07-1.21	0.8	40	1.25	300	20
1.08-1.1	0.4	50	1.15	200	20
1.1-1.3	0.8	40	1.25	300	20
1.15-1.25	0.6	46	1.20	200	20
1.187-1.312	0.8	40	1.25	300	20
1.2-1.3	0.6	46	1.20	200	20
1.2-1.4	0.8	40	1.25	300	20
1.25-1.45	0.8	40	1.25	300	20
1.301-1.438	0.8	40	1.25	200 / 300	20

1.3-1.7	0.8	38	1.25	100 / 300	20
1.325-1.375	0.6	46	1.20	100 / 300	20
1.4-1.6	0.8	40	1.25	100 / 300	20
1.45-1.55	0.6	46	1.20	100 / 300	20
1.5-1.7	0.8	40	1.25	100 / 300	20
1.5-1.8	0.8	40	1.25	100 / 300	20
1.524-1.54	0.4	50	1.15	100 / 300	20
1.55-1.63	0.6	46	1.20	100 / 300	20
1.55-1.65	0.6	46	1.20	100 / 300	20
1.626-1.66	0.4	50	1.15	100 / 300	20
1.7-1.9	0.8	40	1.25	100 / 300	20
1.7-2.0	0.8	38	1.25	100 / 300	20
1.71-1.785	0.6	46	1.20	100 / 300	20
1.71-2.17	1.0	36	1.30	100 / 300	20
1.8-2.0	0.8	40	1.25	100 / 300	20
1.8-2.2	1.0	36	1.30	100 / 300	20
1.8-2.4	1.2	36	1.30	100 / 300	20
1.805-1.88	0.6	46	1.20	100 / 300	20
1.805-2.117	0.8	40	1.25	100 / 300	20
1.9-2.2	0.7	40	1.25	100 / 300	20
1.92-1.99	0.6	46	1.20	100 / 300	20
2.0-2.2	0.8	40	1.20	100 / 300	20
2.0-2.4	1.0	36	1.30	100 / 300	20
2.0-2.5	1.0	36	1.20	100 / 300	20
2.0-2.7	1.4	34	1.35	100 / 300	20
2.1-2.17	0.6	46	1.20	100 / 300	20
2.1-2.7	1.0	36	1.35	100 / 300	20
2.11-2.17	0.6	46	1.20	100 / 300	20
2.135-2.365	0.8	40	1.25	100 / 300	20
2.2-2.3	0.6	46	1.20	100 / 300	20
2.2-2.4	0.8	40	1.20	100 / 300	20
2.2-2.5	0.8	40	1.25	100 / 300	20
2.3-2.4	0.6	46	1.20	100 / 300	20
2.3-2.5	0.8	40	1.20	100 / 300	20
2.3-2.7	0.8	40	1.20	100 / 300	20
2.4-2.5	0.6	46	1.20	100 / 300	20
2.4-2.6	0.8	40	1.20	100 / 300	20
2.496-2.69	0.8	40	1.20	100 / 300	20
2.5-2.7	0.8	40	1.20	100 / 300	20
2.6-2.69	0.6	46	1.20	100 / 300	20
2.6-2.7	0.6	46	1.20	100 / 300	20
2.7-2.9	0.6	40	1.20	100 / 300	20
2.7-3.1	0.8	40	1.25	100 / 300	20
2.7-3.5	1.0	36	1.30	100	20

2.75-3.15	0.8	40	1.25	100	20
2.9-3.3	0.8	40	1.20	100	20
2.9-3.5	0.8	40	1.25	100	20
3.0-3.6	0.6	40	1.25	100	20
3.1-3.5	0.8	40	1.25	100	20
3.15-3.25	0.6	46	1.20	100	20
3.3-3.6	0.6	40	1.20	100	20
3.3-3.8	0.8	40	1.25	100	20
3.4-3.9	0.8	40	1.25	100	20
3.4-4.2	0.9	38	1.25	100	20
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	73.8×50.4×22.5 mm / [2.91×1.98×0.89 in]				

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



Example: 0.7-0.75 GHz, 300 W, SMA Connector.

Model: YS2CI300-R7-R75-S

Note 1: Excluding connector size.