

YSCC300-R3-1R85-N

0.3-1.85 GHz Coaxial Circulator, 300 W, 25 dB Isolation

Key Features

- Low insertion loss
- High isolation
- Wide frequency range
- Compact coaxial design
- High power handling

Applications

- Radar systems
- Satellite communication
- Base stations
- RF protection circuits
- Test equipment

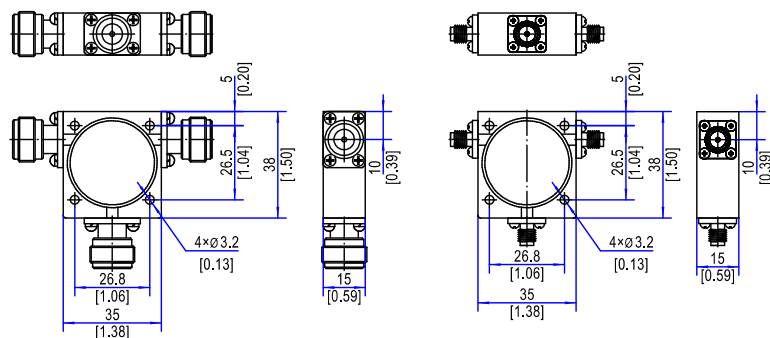
Electrical Specifications

Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR	Power (W)
0.3-0.32	0.6	20	1.25	150 / 300
0.3-0.35	0.8	18	1.35	150 / 300
0.309-0.339	0.5	20	1.25	150 / 300
0.31-0.34	0.5	20	1.25	150 / 300
0.32-0.34	0.45	20	1.25	150 / 300
0.35-0.37	0.4	20	1.25	150 / 300
0.35-0.4	0.5	19	1.25	150 / 300
0.361-0.366	0.3	23	1.20	150 / 300
0.37-0.42	0.5	19	1.25	150 / 300
0.38-0.41	0.4	20	1.25	150 / 300
0.38-0.46	0.5	18	1.30	150 / 300
0.39-0.41	0.3	23	1.20	150 / 300
0.4-0.41	0.3	23	1.20	150 / 300
0.4-0.44	0.4	20	1.25	150 / 300
0.4-0.45	0.4	20	1.25	150 / 300
0.4-0.47	0.4	20	1.25	150 / 300
0.4-0.5	0.5	19	1.25	150 / 300
0.41-0.46	0.4	20	1.25	150 / 300
0.413-0.419	0.25	25	1.15	150 / 300
0.419-0.425	0.25	25	1.15	150 / 300
0.42-0.45	0.4	20	1.25	150 / 300
0.42-0.48	0.4	20	1.25	150 / 300
0.425-0.475	0.4	20	1.25	150 / 300
0.429-0.439	0.3	25	1.15	150 / 300
0.43-0.44	0.3	23	1.20	150 / 300
0.43-0.46	0.4	20	1.25	150 / 300
0.43-0.47	0.4	20	1.25	150 / 300
0.433-0.457	0.3	23	1.20	150 / 300
0.435-0.437	0.3	23	1.20	150 / 300
0.44-0.47	0.3	23	1.20	150 / 300

0.447-0.499	0.3	23	1.20	150 / 300
0.45-0.456	0.25	25	1.15	150 / 300
0.45-0.5	0.4	20	1.25	150 / 300
0.45-0.52	0.4	20	1.25	150 / 300
0.45-0.55	0.4	20	1.25	150 / 300
0.455-0.465	0.25	25	1.15	150 / 300
0.459-0.486	0.3	23	1.20	150 / 300
0.47-0.49	0.3	23	1.20	150 / 300
0.47-0.53	0.4	20	1.20	150 / 300
0.47-0.57	0.4	20	1.25	150 / 300
0.47-0.61	0.6	18	1.30	150 / 300
0.475-0.525	0.3	23	1.20	150 / 300
0.495-0.516	0.3	23	1.20	150 / 300
0.5-0.6	0.4	20	1.20	150 / 300
0.5-0.7	0.7	17.5	1.35	150 / 300
0.57-0.67	0.3	23	1.20	150 / 300
0.58-0.72	0.4	19	1.25	150 / 300
0.6-0.7	0.4	20	1.25	150 / 300
0.6-0.8	0.5	18	1.30	150 / 300
0.67-0.77	0.3	23	1.20	150 / 300
0.69-0.86	0.4	20	1.20	150 / 300
0.7-0.8	0.3	23	1.20	150 / 300
0.7-0.862	0.4	20	1.25	150 / 300
0.7-0.9	0.5	18	1.30	150 / 300
0.703-0.862	0.4	20	1.25	150 / 300
0.75-0.95	0.4	20	1.25	150 / 300
0.77-0.86	0.3	23	1.20	150 / 300
0.8-1.0	0.4	20	1.25	150 / 300
0.854-0.921	0.3	23	1.20	150 / 300
0.86-0.872	0.25	25	1.15	150 / 300
0.862-0.96	0.3	23	1.20	150 / 300
0.9-0.93	0.25	25	1.15	150 / 300
0.9-1.0	0.3	23	1.20	150 / 300
0.9-1.1	0.4	20	1.25	150 / 300
0.95-1.0	0.3	23	1.20	150 / 300
0.95-1.25	0.4	20	1.25	150 / 300
0.95-1.28	0.5	20	1.25	150 / 300
0.95-1.45	0.6	17	1.35	150 / 300
0.955-1.22	0.4	20	1.25	150 / 300
0.96-1.16	0.4	20	1.25	150 / 300
0.96-1.215	0.4	20	1.25	150 / 300
0.96-1.26	0.4	20	1.25	150 / 300
1.0-1.1	0.3	23	1.20	150 / 300
1.0-1.5	0.6	17	1.35	150 / 300

1.015-1.045	0.25	23	1.15	150 / 300
1.02-1.04	0.25	25	1.15	150 / 300
1.02-1.1	0.25	23	1.20	150 / 300
1.022-1.54	0.6	17	1.35	150 / 300
1.03-1.039	0.2	25	1.15	150 / 300
1.03-1.09	0.25	23	1.20	150 / 300
1.1-1.6	0.5	17	1.35	150 / 300
1.1-1.65	0.6	17	1.35	150 / 300
1.1-1.699	0.65	16	1.40	150 / 300
1.16-1.61	0.5	18	1.30	150 / 300
1.2-1.4	0.3	20	1.25	150 / 300
1.2-1.5	0.4	20	1.25	150 / 300
1.285-1.315	0.2	23	1.20	150 / 300
1.29-1.31	0.2	25	1.15	150 / 300
1.3-1.7	0.4	20	1.20	150 / 300
1.35-1.85	0.5	19	1.25	150 / 300
Impedance	50 Ω			
Environmental Specifications				
Operating Temperature	-30°C to +70°C, -45°C to +85°C Please consult with a sales engineer to verify all specifications within the operating temperature range of -45°C to +85°C.			
Storage Temperature	-50°C to +90°C			
Mechanical Specifications				
Connectors	N-Type Female, SMA Female			
Dimension ¹	35×38×15 mm / [1.38×1.50×0.59 in]			
weight	138 g			

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



Outline A: N-Type Connector

Outline B: SMA Connector

Ordering Information:

Example: 0.03-0.031 GHz, 100 W, N-Type Connector.

Model: YSCC100-30M-31M-N

Note 1: Excluding connector size.