

YSCC200-R7-5-N

0.7-5 GHz Coaxial Circulator, 200 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

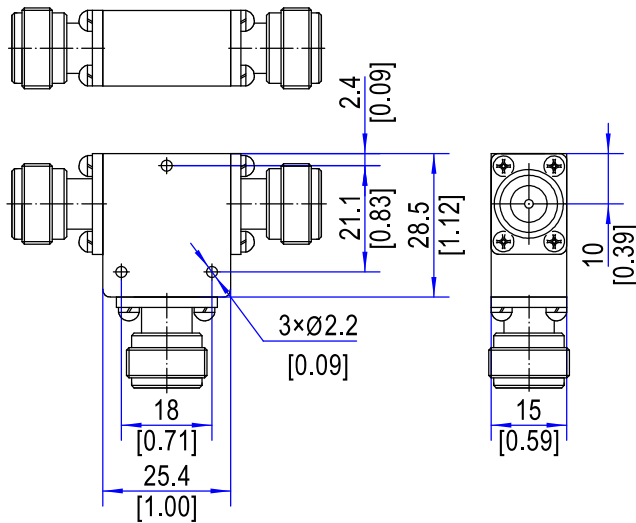
Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR	Power (W)
0.7-0.75	0.4	23	1.20	100 / 200
0.7-0.78	0.4	20	1.25	100 / 200
0.703-0.733	0.3	23	1.20	100 / 200
0.725-0.775	0.3	23	1.20	100 / 200
0.729-0.803	0.4	20	1.25	100 / 200
0.734-0.746	0.3	23	1.20	100 / 200
0.75-0.768	0.3	23	1.20	100 / 200
0.75-0.79	0.3	23	1.20	100 / 200
0.75-0.803	0.3	23	1.20	100 / 200
0.75-0.85	0.4	20	1.25	100 / 200
0.755-0.788	0.3	23	1.20	100 / 200
0.758-0.788	0.3	23	1.20	100 / 200
0.77-0.8	0.3	23	1.20	100 / 200
0.79-0.825	0.3	23	1.20	100 / 200
0.791-0.861	0.3	23	1.20	100 / 200
0.8-0.84	0.3	23	1.20	100 / 200
0.8-0.9	0.4	20	1.25	100 / 200
0.8-1.0	0.5	18	1.30	100 / 200
0.806-0.821	0.3	23	1.20	100 / 200
0.806-0.824	0.3	23	1.20	100 / 200
0.808-0.904	0.4	20	1.25	100 / 200
0.82-0.865	0.3	23	1.20	100 / 200
0.82-0.88	0.3	23	1.20	100 / 200
0.824-0.849	0.3	23	1.15	100 / 200
0.83-0.94	0.4	20	1.25	100 / 200
0.832-0.842	0.3	23	1.20	100 / 200
0.832-0.862	0.3	23	1.20	100 / 200
0.84-0.87	0.3	23	1.20	100 / 200
0.84-0.894	0.3	23	1.20	100 / 200
0.85-0.87	0.3	23	1.20	100 / 200

0.85-0.96	0.4	20	1.25	100 / 200
0.851-0.866	0.3	23	1.20	100 / 200
0.855-0.915	0.3	23	1.20	100 / 200
0.86-0.96	0.4	20	1.25	100 / 200
0.865-0.88	0.3	23	1.20	100 / 200
0.869-0.894	0.3	23	1.20	100 / 200
0.87-0.88	0.3	23	1.20	100 / 200
0.87-0.94	0.4	20	1.25	100 / 200
0.89-0.915	0.3	23	1.20	100 / 200
0.88-0.915	0.3	23	1.20	100 / 200
0.88-0.94	0.3	23	1.20	100 / 200
0.885-0.915	0.3	23	1.20	100 / 200
0.9-0.928	0.3	23	1.20	100 / 200
0.902-0.928	0.25	25	1.15	100 / 200
0.92-0.96	0.3	23	1.20	100 / 200
0.925-0.96	0.3	23	1.20	100 / 200
0.869-0.894	0.3	23	1.20	100 / 200
0.87-0.96	0.4	20	1.25	100 / 200
0.925-0.96	0.3	23	1.20	100 / 200
0.95-1.15	0.4	20	1.25	100 / 200
0.96-1.215	0.5	18	1.30	100 / 200
1.0-1.1	0.3	23	1.20	100 / 200
1.01-1.05	0.3	23	1.20	100 / 200
1.02-1.1	0.3	23	1.20	100 / 200
1.03-1.039	0.3	23	1.20	100 / 200
1.03-1.09	0.3	23	1.20	100 / 200
1.1-1.3	0.4	20	1.25	100 / 200
1.15-1.3	0.35	20	1.25	100 / 150
1.15-1.35	0.4	20	1.25	100 / 150
1.175-1.225	0.3	23	1.20	100 / 150
1.195-1.295	0.3	23	1.20	100 / 150
1.2-1.3	0.3	23	1.20	100 / 150
1.2-1.4	0.35	20	1.25	100 / 150
1.25-1.28	0.3	23	1.20	100 / 150
1.25-1.35	0.3	23	1.20	100 / 150
1.29-1.31	0.25	25	1.15	100 / 150
1.325-1.375	0.25	25	1.15	100 / 150
1.325-1.425	0.3	23	1.20	100 / 150
1.35-1.55	0.35	20	1.25	100 / 150
1.4-1.5	0.3	23	1.20	100 / 150
1.4-1.6	0.35	20	1.25	100 / 150
1.42-1.46	0.3	23	1.20	100 / 150
1.429-1.518	0.3	23	1.20	100 / 150
1.44-1.47	0.3	23	1.20	100 / 150

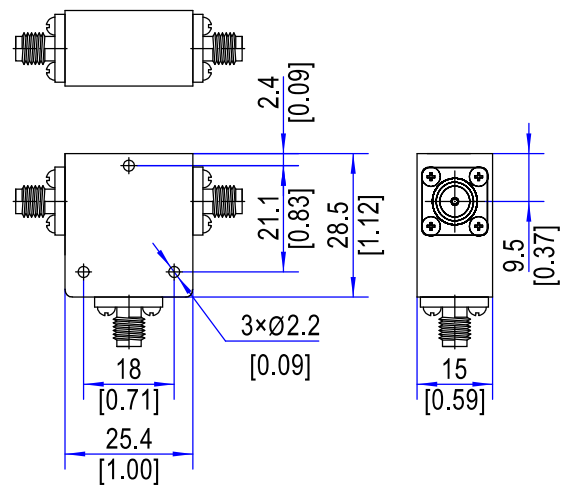
1.45-1.55	0.3	23	1.20	100 / 150
1.5-1.6	0.3	23	1.20	100 / 150
1.5-1.7	0.35	20	1.25	100 / 150
1.5-1.9	0.45	20	1.25	100 / 150
1.5-2.0	0.6	17	1.35	100 / 150
1.515-1.56	0.3	23	1.20	100 / 150
1.53-1.63	0.3	23	1.20	100 / 150
1.55-1.62	0.3	23	1.20	100 / 150
1.57-1.62	0.3	23	1.20	100 / 150
1.6-2.0	0.5	18	1.30	100 / 150
1.606-1.626	0.15	25	1.15	100 / 150
1.65-1.85	0.35	20	1.25	100 / 150
1.7-1.9	0.35	20	1.25	100 / 150
1.7-2.1	0.4	20	1.25	100 / 150
1.7-2.2	0.5	19	1.25	100 / 150
1.7-2.3	0.6	18	1.30	100 / 150
1.71-1.785	0.3	23	1.20	100 / 150
1.8-1.85	0.3	23	1.20	100 / 150
1.8-2.0	0.35	20	1.25	100 / 150
1.8-2.2	0.4	20	1.25	100 / 150
1.8-2.4	0.5	18	1.30	100 / 150
1.85-1.9	0.3	23	1.20	100 / 150
1.88-1.92	0.3	23	1.20	100 / 150
1.9-2.2	0.35	20	1.25	100 / 150
1.92-1.98	0.3	23	1.20	100 / 150
2.0-2.4	0.4	20	1.25	100 / 150
2.0-2.5	0.5	18	1.30	100 / 150
2.0-2.6	0.5	18	1.30	100 / 150
2.0-2.7	0.6	16	1.40	100 / 150
2.01-2.3	0.35	20	1.20	100 / 150
2.1-2.17	0.3	23	1.20	100 / 150
2.1-2.5	0.4	20	1.25	100 / 150
2.11-2.17	0.3	23	1.20	100 / 150
2.2-2.3	0.3	23	1.20	100 / 150
2.2-2.5	0.35	20	1.20	100 / 150
2.3-2.4	0.3	23	1.20	100 / 150
2.3-2.5	0.4	20	1.20	100 / 150
2.3-3.0	0.5	18	1.30	100 / 150
2.4-2.5	0.3	23	1.20	100 / 150
2.4-2.6	0.3	20	1.20	100 / 150
2.4-2.7	0.35	20	1.25	100 / 150
2.45-2.47	0.3	25	1.15	100 / 150
2.48-2.5	0.3	25	1.15	100 / 150
2.5-2.7	0.3	20	1.20	100 / 150

2.555-2.655	0.3	23	1.20	100 / 150
2.6-2.69	0.3	23	1.20	100 / 150
2.6-2.8	0.3	20	1.20	100 / 150
2.6-3.0	0.5	18	1.30	100 / 150
2.6-3.3	0.6	17	1.35	100 / 150
2.7-2.9	0.3	20	1.20	100 / 150
2.7-3.1	0.4	20	1.25	100 / 150
2.75-3.15	0.4	20	1.25	100 / 150
2.8-3.2	0.4	20	1.25	100 / 150
2.85-2.86	0.3	23	1.15	100 / 150
2.85-3.3	0.4	20	1.25	100 / 150
2.9-3.1	0.3	20	1.20	100 / 150
2.9-3.3	0.4	20	1.25	100 / 150
2.9-3.5	0.45	20	1.25	100 / 150
3.0-3.6	0.45	20	1.25	100 / 150
3.1-3.4	0.4	20	1.20	100 / 150
3.1-3.5	0.4	20	1.25	100 / 150
3.2-3.7	0.4	20	1.25	100 / 150
3.3-3.6	0.4	20	1.20	100 / 150
3.4-3.6	0.4	20	1.20	100 / 150
3.4-4.2	0.5	19	1.25	100 / 150
3.5-4.0	0.4	20	1.25	100 / 150
3.55-3.65	0.4	23	1.20	100 / 150
3.6-3.8	0.4	23	1.20	100 / 150
3.6-4.0	0.4	20	1.25	100 / 150
3.7-3.9	0.4	23	1.20	100 / 150
3.75-4.25	0.5	19	1.25	100 / 150
4.0-4.6	0.5	20	1.25	100 / 150
4.4-5.0	0.5	20	1.25	100 / 150
Impedance	50 Ω			
Environmental Specifications				
Operating Temperature	-30°C to +75°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	25.4×28.5×15 mm / [1.00×1.12×0.59 in]			
weight	100 g			

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



Outline A: N-Type Connector



Outline B: SMA Connector

Ordering Information:

Example: 0.7-0.75 GHz, 100 W, N-Type Connector.

Model: YSCC100-R7-3R75-N

Note 1:Excluding connector size.