

YSCC300-R25-1R4-N

0.25-1.4 GHz Coaxial Circulator, 300 W, 25 dB Isolation

Key Features

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

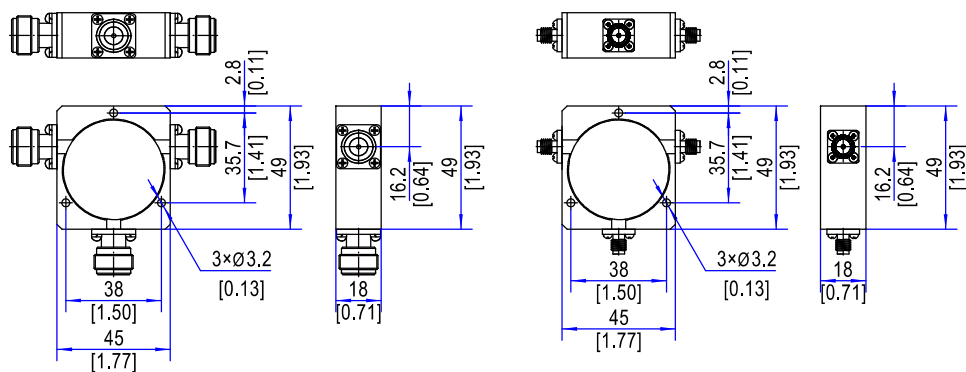
Applications

- 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)
0.25-0.3	0.6	20	1.25	300
0.28-0.31	0.4	23	1.20	300
0.285-0.295	0.3	23	1.20	300
0.289-0.359	0.5	19	1.25	300
0.29-0.31	0.3	23	1.20	300
0.292-0.332	0.4	20	1.25	300
0.3-0.35	0.5	20	1.25	300
0.3-0.4	0.6	18	1.30	300
0.3-0.42	0.8	16	1.40	300
0.32-0.415	0.8	18	1.40	300
0.345-0.415	0.6	20	1.25	300
0.35-0.4	0.4	20	1.20	300
0.35-0.47	0.5	19	1.25	300
0.36-0.44	0.4	20	1.25	300
0.36-0.47	0.5	20	1.25	300
0.375-0.415	0.4	20	1.25	300
0.38-0.48	0.5	18	1.30	300
0.4-0.43	0.25	25	1.15	300
0.4-0.5	0.5	20	1.25	300
0.4-0.52	0.5	18	1.30	300
0.4-0.55	0.6	18	1.30	300
0.4-0.6	0.9	14	1.60	300
0.412-0.512	0.5	20	1.25	300
0.44-0.47	0.25	25	1.15	300
0.45-0.6	0.5	18	1.30	300
0.46-0.605	0.5	18	1.30	300
0.47-0.52	0.4	20	1.25	300
0.47-0.61	0.5	18	1.30	300
0.47-0.65	0.6	18	1.30	300
0.5-0.7	0.6	17	1.35	300

0.52-0.57	0.3	23	1.20	300
0.57-0.61	0.3	23	1.20	300
0.6-0.9	0.8	15	1.50	300
0.61-0.96	0.8	17	1.50	300
0.62-0.862	0.5	20	1.25	300
0.69-1.0	0.6	18	1.30	300
0.698-0.96	0.5	20	1.25	300
0.7-1.0	0.6	20	1.25	300
0.76-1.01	0.5	20	1.25	300
0.8-0.9	0.3	23	1.20	300
0.8-1.0	0.4	20	1.25	300
0.8-1.2	0.6	16	1.40	300
0.806-0.96	0.3	23	1.20	300
0.85-1.0	0.4	23	1.20	300
0.85-1.15	0.4	20	1.25	300
1.01-1.11	0.3	23	1.20	300
1.2-1.3	0.3	23	1.20	300
1.2-1.4	0.3	20	1.20	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	45×49×18 mm / [1.77×1.93×0.71 in]			
weight	290 g			

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


Outline A: N-Type Connector

Outline B: SMA Connector

Ordering Information:

Example: 0.3-0.35 GHz, 300 W, N-Type Connector.

Model: YSCC300-R3-R35-N

Note 1:Excluding connector size.