

YSCC100-1R7-5R9-S

1.7-5.9 GHz Coaxial Circulator, 100 W, 25 dB Isolation

Key Features

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

Applications

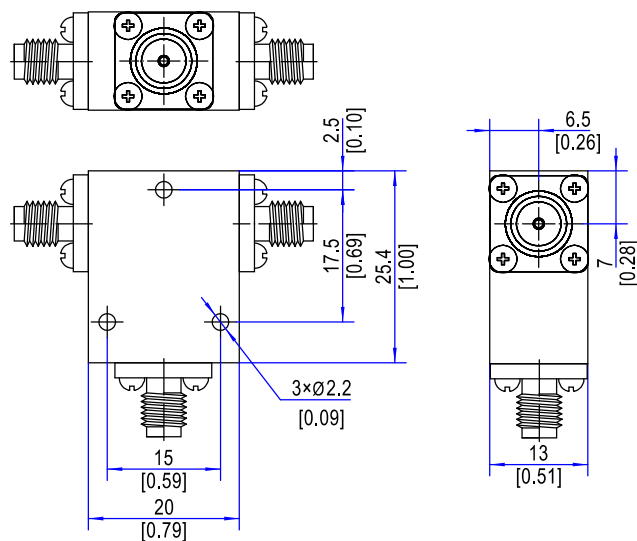
- Radar systems
- Satellite communication
- Base stations
- RF protection circuits
- Test equipment

Electrical Specifications

Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR	Power (W)
1.7-1.9	0.4	20	1.25	100
1.71-1.88	0.4	20	1.25	100
1.8-1.9	0.3	23	1.20	100
1.805-1.88	0.3	23	1.20	100
1.88-1.9	0.25	25	1.15	100
1.9-2.0	0.3	23	1.20	100
1.9-2.2	0.4	20	1.25	100
2.0-2.4	0.5	18	1.30	100
2.01-2.1	0.3	23	1.20	100
2.01-2.3	0.45	20	1.25	100
2.09-2.31	0.4	20	1.25	100
2.1-2.17	0.3	23	1.20	100
2.2-2.3	0.3	23	1.20	100
2.26-2.293	0.25	25	1.15	100
2.3-2.5	0.35	20	1.20	100
2.4-2.5	0.25	23	1.15	100
2.5-2.7	0.3	20	1.20	100
2.62-2.69	0.3	23	1.15	100
2.7-3.1	0.4	20	1.25	100
2.9-3.1	0.3	23	1.20	100
3.1-3.4	0.35	20	1.20	100
3.4-3.6	0.3	20	1.20	100
3.4-3.7	0.35	20	1.25	100
3.6-4.0	0.4	20	1.25	100
3.65-3.75	0.3	23	1.20	100
3.7-3.8	0.3	23	1.20	100
3.7-4.2	0.45	19	1.25	100
3.75-4.25	0.45	19	1.25	100
3.9-4.2	0.4	20	1.25	100
4.0-4.5	0.4	20	1.25	100

4.28-4.32	0.3	23	1.20	100
4.4-5.0	0.5	20	1.25	100
4.5-5.0	0.45	20	1.25	100
4.8-4.9	0.3	23	1.20	100
4.9-5.0	0.3	23	1.20	100
5.7-5.9	0.4	20	1.25	100
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	SMA Female			
Dimension ¹	20×25.4×13 mm / [0.79×1.00×0.51 in]			
weight	47 g			

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



Ordering Information:

Example: 1.7-1.9 GHz, 100 W, SMA Connector.

Model: YSCC100-1R7-1R9-S

Note 1:Excluding connector size.