YSCI150-R1-R22-S

0.1-0.22 GHz Coaxial Isolator, 150 W, 23 dB Isolation

Key Features

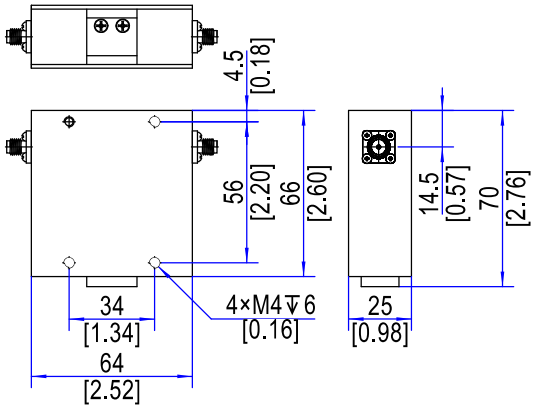
- Wide frequency coverage
- High isolation and low insertion loss
- Compact coaxial design for easy integration
- High power handling capability
- Excellent VSWR for reliable signal matching

Applications

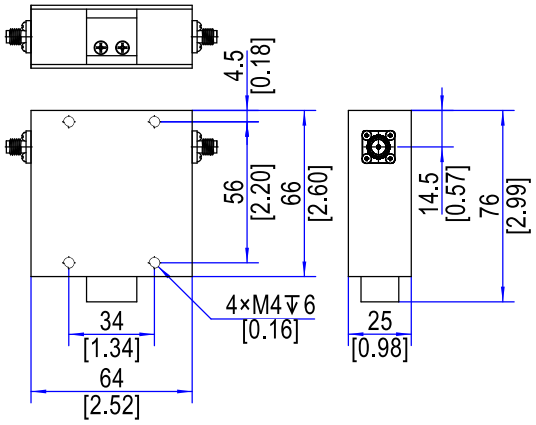
- Satellite & Aerospace Communications
- Radar and electronic warfare (EW) systems
- Test & measurement equipment
- RF power amplification chains
- Telecommunication and broadcast networks

Electrical Specifications					
Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR	CW Power (w)	Reverse Power (w)
0.1-0.105	0.8	18	1.30	150	20/100
0.105-0.115	0.8	18	1.30	150	20/100
0.13-0.15	0.6	20	1.25	150	20/100
0.14-0.16	0.6	20	1.25	150	20/100
0.14-0.148	0.5	23	1.20	150	20/100
0.145-0.155	0.5	20	1.25	150	20/100
0.148-0.174	0.5	20	1.25	150	20/100
0.15-0.17	0.5	20	1.25	150	20/100
0.16-0.19	0.7	18	1.30	150	20/100
0.17-0.174	0.45	23	1.20	150	20/100
0.17-0.2	0.7	18	1.30	150	20/100
0.18-0.22	0.65	18	1.30	150	20/100
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	SMA Female, N-Type Female				
Dimension[1]	Reflected Power 20 W: 64×70×25 mm / [2.52×2.76×0.98 in] Reflected Power 100 W: 64×76×25 mm / [2.52×2.99×0.98 in]				

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



Outline A
Maximum Reflected Power: 20 W



Outline B
Maximum Reflected Power: 100 W

Ordering Information:

Example: 0.1-0.105 GHz, 150 W, SMA Connector, Reflected Power 100 W.

Model: YSCI150-R1-R105-S-100

Note 1:Excluding connector size.