YSCI150-R7-2R2-S

0.7-2.2 GHz Coaxial Isolator, 150 W, 23 dB Isolation

Key Features

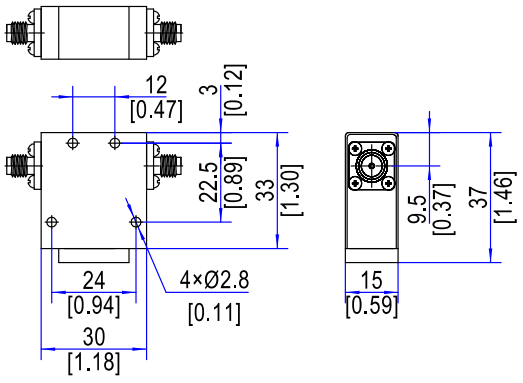
- Wide frequency coverage
- High isolation and low insertion loss
- Compact coaxial design for easy integration
- High power handling capability
- Excellent VSWR for reliable signal matching

Applications

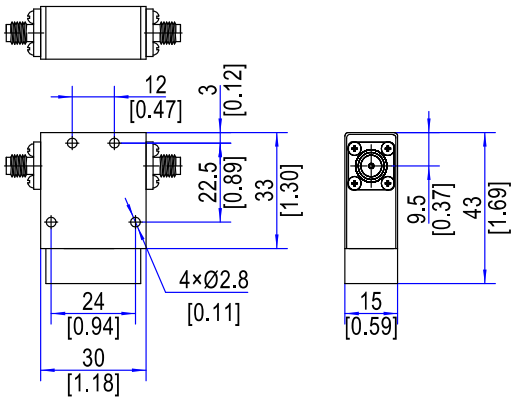
- Satellite & Aerospace Communications
- Radar and electronic warfare (EW) systems
- Test & measurement equipment
- RF power amplification chains
- Telecommunication and broadcast networks

Electrical Specifications						
Freq. Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR	Power (CW)	Reverse Power (W)	Note
0.7-0.9	0.6	18	1.30	150	20/100	
0.8-1.0	0.5	18	1.30	150	20/100	
0.92-0.96	0.3	23	1.20	150	20/100	
0.96-1.215*	0.4	18	1.30	150	20/100	-30°C to +75°C
	0.5	16	1.35	150	20/100	-45°C to +85°C
1.4-1.6	0.35	20	1.25	150	20/100	
1.7-2.3	0.5	18	1.30	150	20/100	
1.8-2.2	0.4	20	1.25	150	20/100	
Impedance	50 Ω					
Environmental Specifications						
Operating Temperature	-30°C to +75°C, -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: 30×37×15 mm / [1.18×1.46×0.59 in] Reflected Power 100 W: 30×43×15 mm / [1.18×1.69×0.59 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:0.7-0.9 GHz, 150 W, SMA Connector, Reflected Power 100 W.

Model: YSCI150-R7-R9-S-100

* Please note the required operating temperature range in the remarks upon ordering.

Note 1:Excluding connector size.