

YSCI150-R7-2R7-S

0.7-2.7 GHz Coaxial Isolator, 150 W, 25 dB Isolation

Key Features

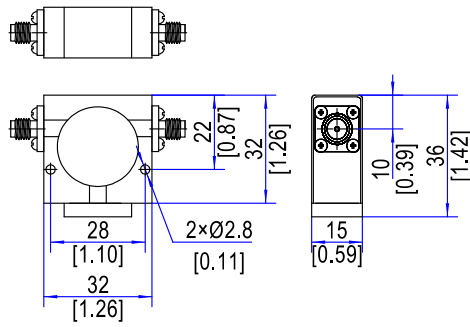
- Wide frequency coverage
- High isolation and low insertion loss
- Compact coaxial design for easy integration
- High power handling capability
- Excellent VSWR for reliable signal matching

Applications

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

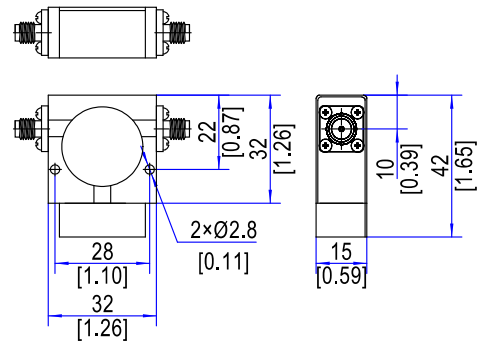
Electrical Specifications					
Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR	CW Power (w)	Reverse Power (w)
0.7-0.9	0.6	18	1.30	150	20/100
0.8-1.0	0.5	18	1.30	150	20/100
0.92-0.96	0.3	23	1.20	150	20/100
0.96-1.215	0.4	18	1.30	150	20/100
1.028-1.032	0.3	25	1.15	150	20/100
1.7-2.2	0.4	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
2.2-2.7	0.5	19	1.25	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				
Dimension ¹	Reflected Power 20 W: 32×36×15 mm / [1.26×1.42×0.59 in] Reflected Power 100 W: 32×42×15 mm / [1.26×1.65×0.59 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

Note 1:Excluding connector size.