

YSCI100-5-7R4-S

5-7.4 GHz Coaxial Isolator, 100 W, 23 dB Isolation

Key Features

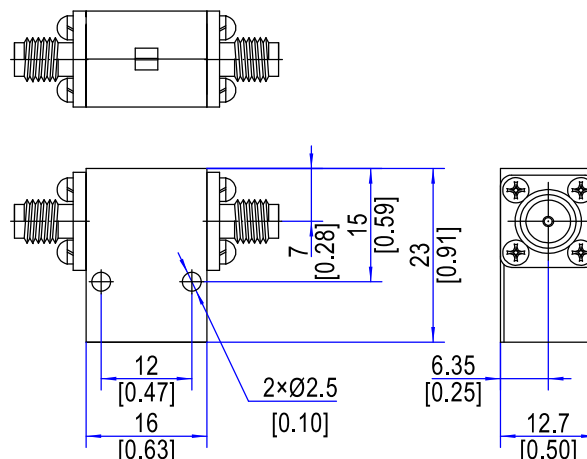
- Wide frequency coverage
- High isolation and low insertion loss
- Compact coaxial design for easy integration
- High power handling capability
- Excellent VSWR for reliable signal matching

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)
5.0-6.0	0.6	18	1.30	100	10
5.1-5.9	0.5	20	1.25	100	10
5.4-5.5	0.3	23	1.20	100	10
5.6-7.0	0.4	20	1.25	100	10
5.7-5.9	0.3	23	1.20	100	10
5.8-6.7	0.5	17	1.30	100	10
6.4-7.4	0.4	20	1.25	100	10
6.57-6.87	0.3	20	1.20	100	10
6.7-7.1	0.4	20	1.20	100	10
Impedance	50 Ω				
Environmental Specifications					
Operating Temperature	-30°C to +75°C				
Storage Temperature	-50°C to +90°C				
Mechanical Specifications					
Connectors	SMA-Female, N-Type Female				
Dimension ¹	16×23×12.7 mm / [0.63×0.91×0.50 in]				

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



Ordering Information:

Example: 5.4-5.5 GHz, 100 W, SMA Connector

Model: YSCI100-5R4-5R5-S

Note 1: Excluding connector size.