

YSCI100-4-8-S

4-8 GHz Coaxial Isolator, 100 W, 20 dB Isolation

Key Features

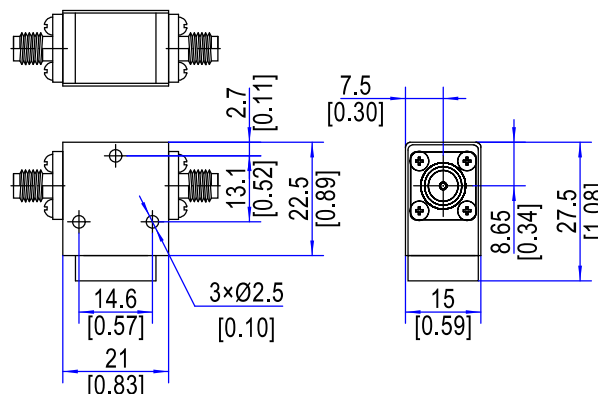
- Wide frequency coverage
- High isolation and low insertion loss
- Compact coaxial design for easy integration
- High power handling capability
- Excellent VSWR for reliable signal matching

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)
4.0-7.0	0.5	18	1.30	100	20
4.0-7.2	0.5	18	1.30	100	20
4.0-8.0	0.6	18	1.30	100	20
5.0-7.0	0.4	20	1.25	100	20
5.0-8.0	0.5	19	1.25	100	20
6.0-8.0	0.4	19	1.25	100	20
Impedance	50 Ω				
Environmental Specifications					
Operating Temperature	-10°C to +60°C				
Storage Temperature	-30°C to +70°C				
Mechanical Specifications					
Connectors	SMA-Female				
Dimension ¹	21×27.5×15 mm / [0.83×1.08×0.59 in]				

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



Ordering Information:

Example: 4-7.2 GHz, 100 W, SMA Connector

Model: YSCI100-4-7R2-S

Note 1: Excluding connector size.