

YSCI30-6-12-S

6-12 GHz Coaxial Isolator, 30 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

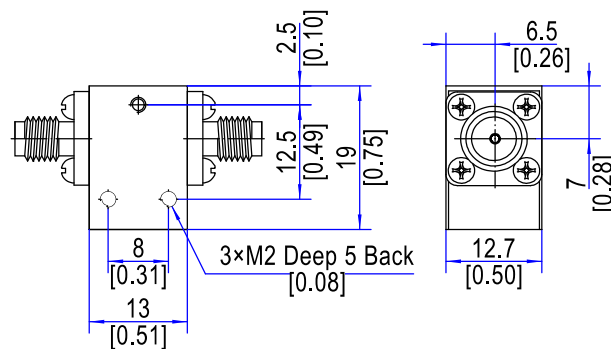
- Satellite & Aerospace Communications
- Radar and electronic warfare (EW) systems
- Test & measurement equipment
- RF power amplification chains
- Telecommunication and broadcast networks

Electrical Specifications

Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR	CW Power (w)	Reverse Power (w)
6.0-7.0	0.5	18	1.30	30	10
6.0-8.0	0.5	18	1.35	30	10
6.0-10.0	0.5	17	1.35	30	10
6.0-12.0	0.6	15	1.45	30	10
6.6-7.0	0.4	20	1.25	30	10
6.8-7.0	0.4	20	1.25	30	10
7.0-9.0	0.4	20	1.25	30	10
7.0-11.0	0.6	18	1.35	30	10
7.0-12.0	0.6	16	1.50	30	10
7.5-9.0	0.4	20	1.25	30	10
7.7-8.5	0.4	20	1.25	30	10
7.7-9.0	0.4	20	1.25	30	10
7.9-8.4	0.4	20	1.25	30	10
7.9-9.0	0.4	20	1.25	30	10
8.0-8.5	0.4	20	1.25	30	10
8.0-9.0	0.4	20	1.25	30	10
8.0-10.0	0.5	10	1.30	30	10
8.0-11.0	0.5	18	1.30	30	10
8.0-12.0	0.5	18	1.30	30	10
8.0-12.4	0.6	16	1.40	30	10
8.3-8.4	0.3	23	1.20	30	10
8.5-9.5	0.4	20	1.25	30	10
8.9-9.1	0.4	20	1.25	30	10
8.55-9.35	0.4	20	1.25	30	10
9.0-10.0	0.4	20	1.25	30	10
9.1-9.6	0.4	20	1.25	30	10
9.1-9.7	0.4	20	1.25	30	10
9.3-9.6	0.4	20	1.25	30	10
9.7-11.7	0.5	20	1.25	30	10
9.9-10.1	0.3	25	1.15	30	10

9.85-10.15	0.3	23	1.20	30	10
10.4-10.6	0.3	23	1.20	30	10
10.7-13.3	0.4	20	1.20	30	10
Impedance	50 Ω				
Environmental Specifications					
Operating Temperature	-10°C to +60°C				
Storage Temperature	-50°C to +90°C				
Mechanical Specifications					
Connectors	SMA-Female				
Dimension ¹	13×19×12.7 mm / [0.51×0.75×0.50 in]				

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



Ordering Information:

Example: 7.7-8.5 GHz, 30 W, SMA Connector

Model: YSCI30-7R7-8R5-S

Note 1: Excluding connector size.