

YSCI30-9-18R5-S

9-18.5 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)
9.3-9.5	0.3	23	1.20	30	10
9.3-9.6	0.4	18	1.30	30	10
10.0-13.0	0.4	21	1.25	30	10
10.0-15.0	0.6	18	1.35	30	10
10.5-12.5	0.4	20	1.20	30	10
10.5-15.0	0.6	18	1.35	30	10
10.6-12.7	0.4	20	1.25	30	10
10.7-12.8	0.4	20	1.20	30	10
10.7-13.3	0.6	18	1.30	30	10
10.95-12.2	0.4	20	1.25	30	10
11.0-14.5	0.6	18	1.35	30	10
12.0-18.0	0.6	18	1.35	30	10
12.7-14.9	0.4	20	1.20	30	10
13.0-15.0	0.4	21	1.20	30	10
13.75-15.0	0.4	20	1.25	30	10
14.1-15.4	0.6	20	1.30	30	10
14.3-14.5	0.3	23	1.20	30	10
14.3-14.8	0.4	20	1.20	30	10
14.5-16.5	0.4	20	1.20	30	10
14.0-18.0	0.6	18	1.35	30	10
15.0-17.0	0.6	20	1.25	30	10
15.5-16.0	0.4	23	1.20	30	10
16.0-18.5	0.6	18	1.35	30	10

Impedance 50 Ω

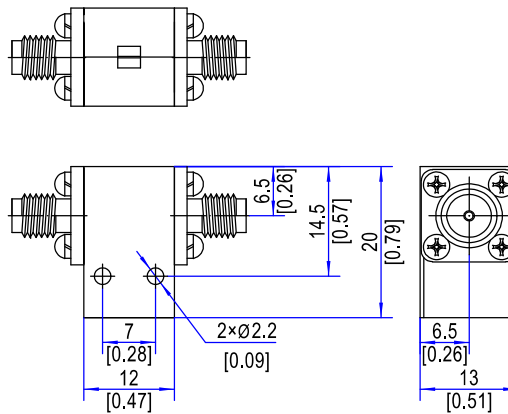
Environmental Specifications

Operating Temperature	-10°C to +60°C
Storage Temperature	-50°C to +90°C

Mechanical Specifications

Connectors	SMA-Female
Dimension ¹	12×20×13 mm / [0.47×0.79×0.51 in]

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



Ordering Information:

Example: 9.3-9.5 GHz, 30 W, SMA Connector

Model: YSCI30-9R3-9R5-S

Note 1: Excluding connector size.