

YSCI150-40M-R4-N

0.04-0.4 GHz Coaxial Isolator, 150 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

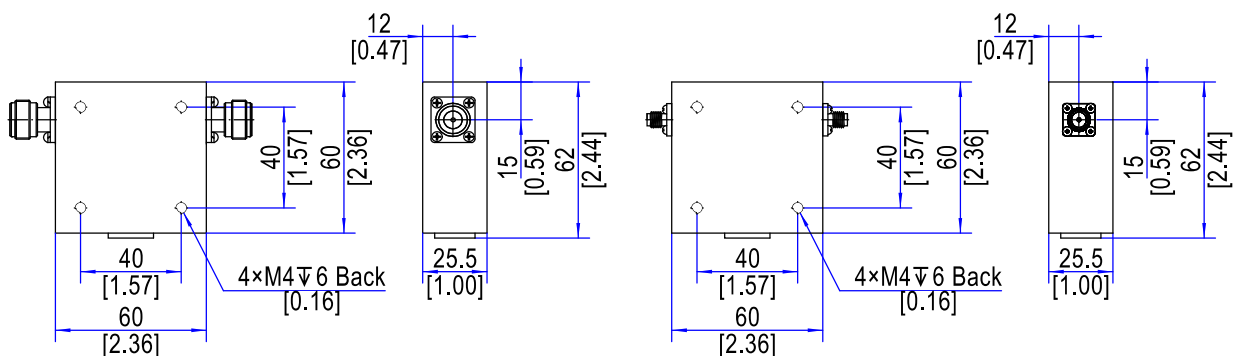
Applications

- 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)
0.04-0.045	1.8	18	1.30	50	20/50
0.045-0.05	1.4	18	1.30	50	20/50
0.045-0.055	1.6	18	1.30	50	20/50
0.047-0.061	1.5	18	1.30	50	20/50
0.05-0.075	1.2	18	1.30	50	20/50
0.055-0.065	0.8	20	1.25	50	20/50
0.055-0.075	1	18	1.30	50	20/50
0.06-0.065	0.6	20	1.25	50	20/50
0.06-0.08	0.8	20	1.25	50	20/50
0.065-0.07	0.6	20	1.25	100	20/100
0.068-0.088	0.7	20	1.25	100	20/100
0.07-0.085	0.6	20	1.25	150	20/100
0.07-0.09	0.7	20	1.25	100	20/100
0.075-0.1	0.7	19	1.25	100	20/100
0.08-0.12	1	18	1.30	50	20/100
0.085-0.135	1.1	18	1.30	50	20/100
0.087-0.108	0.6	20	1.25	150	20/100
0.088-0.138	1	18	1.30	50	20/100
0.09-0.1	0.5	20	1.20	150	20/100
0.1-0.13	0.6	20	1.25	150	20/100
0.1-0.14	0.8	20	1.25	100	20/100
0.1-0.15	0.9	18	1.30	100	20/100
0.108-0.118	0.5	23	1.20	150	20/100
0.108-0.137	0.6	20	1.25	150	20/100
0.116-0.138	0.6	20	1.20	150	20/100
0.118-0.137	0.6	20	1.20	150	20/100
0.118-0.161	0.6	20	1.25	150	20/100
0.13-0.18	0.5	20	1.25	150	20/100
0.13-0.19	0.6	18	1.25	150	20/100
0.135-0.155	0.5	20	1.20	150	20/100

0.135-0.195	0.6	18	1.30	150	20/100
0.136-0.174	0.5	20	1.25	150	20/100
0.14-0.15	0.4	20	1.25	150	20/100
0.146-0.174	0.5	20	1.15	150	20/100
0.15-0.17	0.4	20	1.20	150	20/100
0.15-0.2	0.5	20	1.25	150	20/100
0.15-0.225	0.6	18	1.30	150	20/100
0.153-0.157	0.4	23	1.20	150	20/100
0.157-0.159	0.4	23	1.20	150	20/100
0.16-0.17	0.4	23	1.20	150	20/100
0.165-0.175	0.4	23	1.20	150	20/100
0.166-0.172	0.4	23	1.20	150	20/100
0.17-0.2	0.5	20	1.25	150	20/100
0.17-0.23	0.6	20	1.25	150	20/100
0.175-0.215	0.5	20	1.25	150	20/100
0.18-0.23	0.5	20	1.25	150	20/100
0.18-0.24	0.6	20	1.25	150	20/100
0.2-0.27	0.6	20	1.25	150	20/100
0.2-0.3	0.6	19	1.25	150	20/100
0.225-0.4	0.8	18	1.30	100	20/100
0.233-0.253	0.4	23	1.20	150	20/100
Impedance	50 Ω				
Environmental Specifications					
Operating Temperature	-20°C to +70°C				
Storage Temperature	-50°C to +90°C				
Mechanical Specifications					
Connectors	N-Type Female, SMA Female				
Dimension ¹	60×62×25.5 mm / [2.36×2.44×1.00 in]				

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


Outline A
N-Type Connector

Outline B
SMA Connector

Ordering Information:

Example: 40-45 MHz, 50 W, N-Type Connector, Reflected Power 50 W.

Model: YSCI50-40M-45M-N-50

Note 1:Excluding connector size.