

YSCI30-6-18-S

6-18 GHz Coaxial Isolator, 30 W, 20 dB Isolation

Key Features

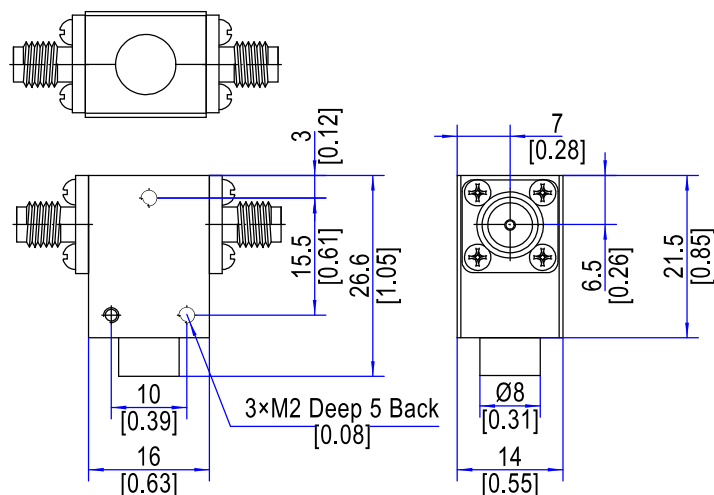
- Wide frequency coverage
- High isolation and low insertion loss
- Compact coaxial design for easy integration
- High power handling capability
- Excellent VSWR for reliable signal matching

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)
6.0-12.0	1.5	10	1.90	30	10
6.0-18.0	1.5	9.5	2.00	30	10
8.0-18.0	1.4	15	1.50	30	10
12.0-18.0	0.8	17	1.40	30	10
13.75-14.5	0.5	20	1.25	30	10
14.5-16.5	0.5	18	1.30	30	10
15.0-18.0	0.6	18	1.30	30	10
16.0-18.0	0.6	18	1.30	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	16×26.6×14 mm / [0.63×1.05×0.55 in]				

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



Ordering Information:

Example: 14.5-16.5 GHz, 30 W, SMA Connector

Model: YSCI30-14R5-16R5-S

Note 1: Excluding connector size.