泰莱微波
Talent Microwave

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Coaxial Isolator

0.8-1.2GHz/50W,Power Handling

Model: TLI08G1.2G-50W

The TLI08G1.2G-50W is a coaxial isolator designed to operate from 0.8GHz to 1.2GHz. The coaxial isolator offers minimum 15 dB isolation and 1.45:1 maximum VSWR. The input and output port configuration offers coax adapter structure with SMA female.

Features:

- Frequency range: 0.8-1.2GHz
- Isolation: 15dB min
- Insertion Loss: 0.5dB Max
- 50 Ohm Matched Input / Output

Applications:

- Communication Systems
- Laboratory test

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency range	0.8		1.2	GHz
Insertion Loss@25℃			0.5	dB
Insertion Loss@-30~+70℃			0.7	dB
Isolation@25℃	15			dB
Isolation@-30~+70℃	14			dB
VSWR@25℃			1.45	:1
VSWR@-30~+70℃			1.6	:1
Power handling		50		W
Reverse Power		10		W
Direction	Clockwise: 1→2→3			
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Operating Temerature	-30 To +70	℃
Input /Output Connector	SMA Female/SMA Female	
Size	35*38*20	mm

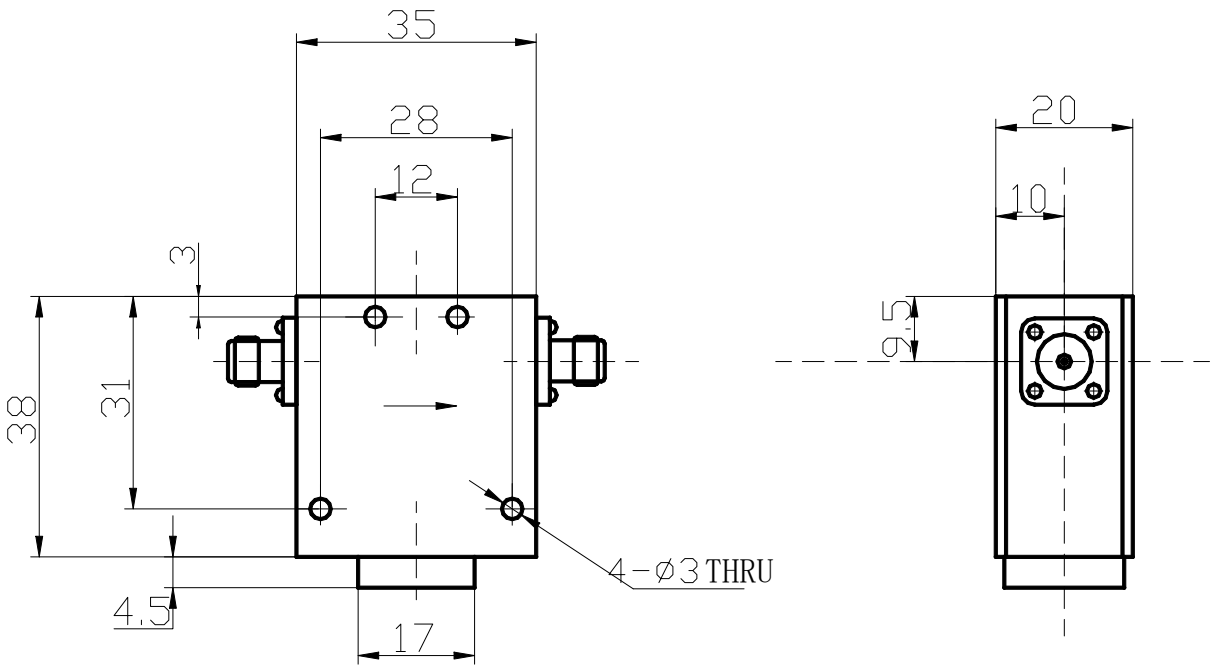
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Absolute Maximum Ratings:

Parameter	Value
RF Input Power	+47 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLI08G1.2G-50W	Coaxial Isolator, 0.8-1.2GHz,Isolation: 15dB Min	Rev.1.0