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

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	0.8		1.2	GHz
插损 Insertion Loss@25℃			0.5	dB
插损 Insertion Loss@-30~+70℃			0.7	dB
隔离度 Isolation@25℃	15			dB
隔离度 Isolation@-30~+70℃	14			dB
驻波 VSWR@25℃			1.45	:1
驻波 VSWR@-30~+70℃			1.6	:1
耐功率 Power handling		50		W
反射功率 Reverse Power		10		W
方向 Direction	Clockwise: 1→2→3			
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temerature	-30 To +70	℃
输入/输出接口 Input /Output Connector	SMA Female/SMA Female	
尺寸 Size	35*38*20	mm

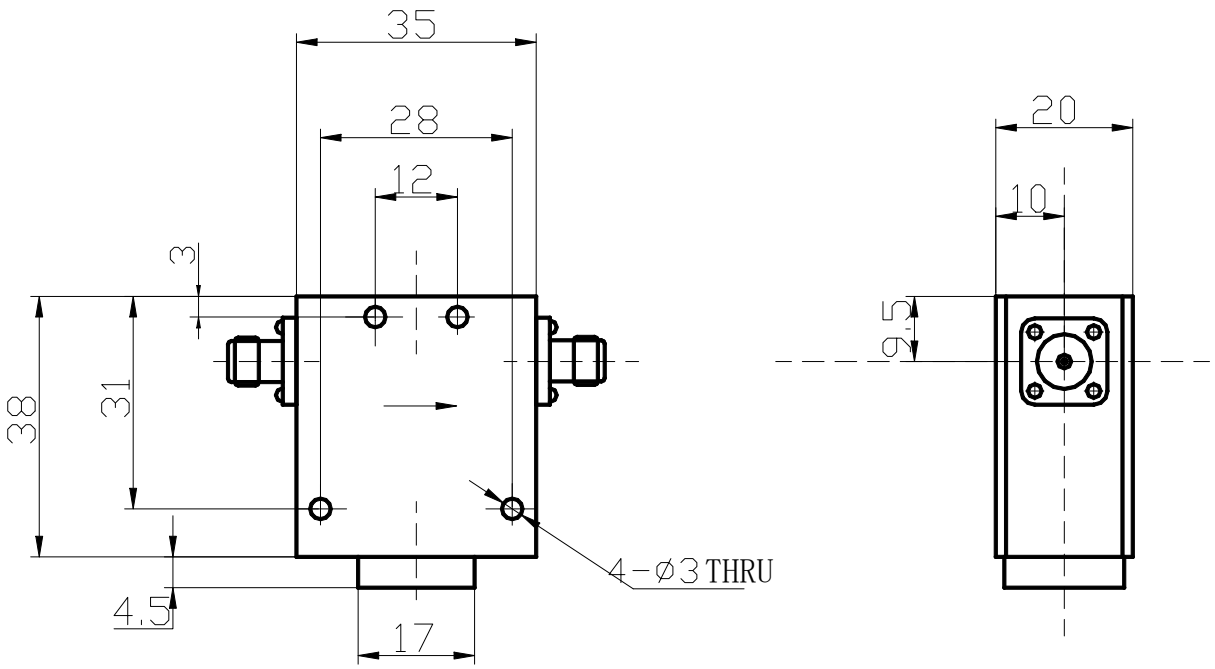
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绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
输入功率 RF Input Power	+47 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

订货信息 Ordering Information:

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