泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Coaxial Isolator

8-12GHz/30W,Power Handling

Model: TLI8G12G-30W

The TLI8G12G-30W is a coaxial isolator designed to operate from 8GHz to 12GHz. The coaxial isolator offers minimum 17 dB isolation and 1.3:1 maximum VSWR. The input and output port configuration offers coax adapter structure with SMA female.

Features:

- Frequency range: 8-12GHz
- Isolation: 17dB 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	8		12	GHz
Insertion Loss@25℃			0.5	dB
Insertion Loss@-30~+70℃			0.5	dB
Isolation@25℃	17			dB
Isolation@-30~+70℃	16			dB
VSWR@25℃			1.3	:1
VSWR@-30~+70℃			1.35	:1
Power handling		30		W
Reverse Power		30		W
Direction	1→2			
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Operating Temerature	-30 To +70	℃
Input /Output Connector	SMA Female/SMA Female	
Size	21*22.5*15	mm

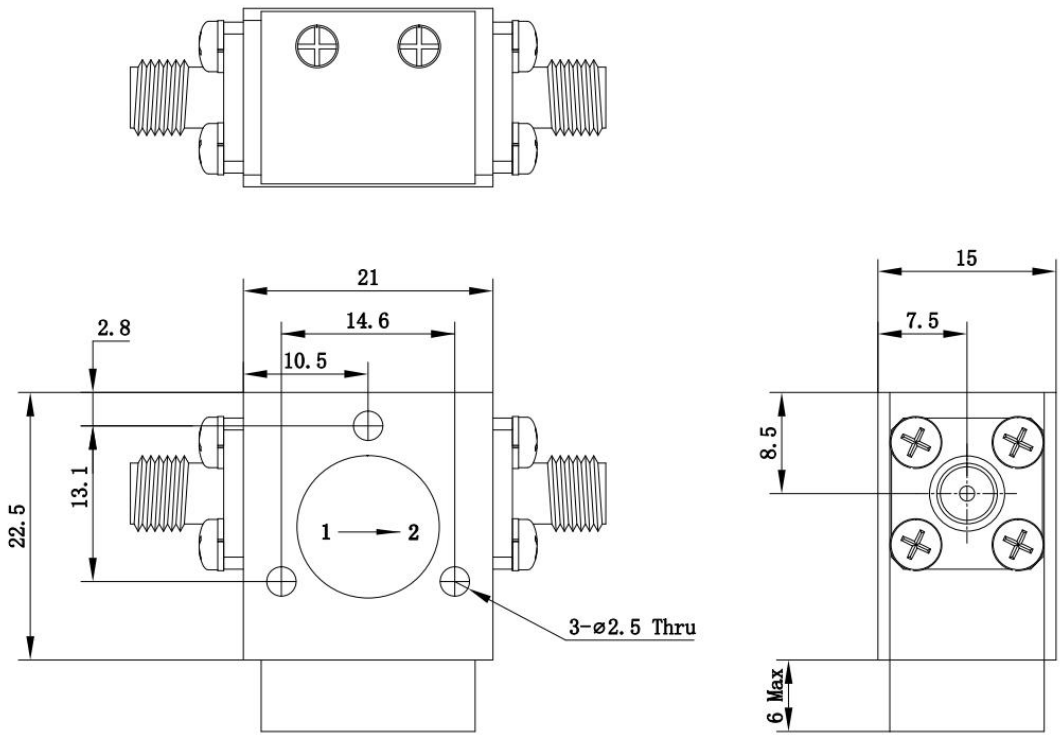
Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	30 W
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
TLI8G12G-30W	Coaxial Isolator, 8-12GHz,Isolation: 17dB Min	Rev.1.0