泰莱微波
Talent Microwave

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Coaxial Isolator

6-18GHz/30W,Power Handling

Model: TLI6G18G-20W

The TLI6G18G-20W is a coaxial isolator designed to operate from 6GHz to 18GHz. The coaxial isolator offers minimum 12dB isolation and 1.65:1 maximum VSWR. The input and output port configuration offers coax adapter structure with SMA female.

Features:

- Frequency range: 6-18GHz
- Isolation: 12dB min
- Insertion Loss: 1dB Max
- 50 Ohm Matched Input / Output

Applications:

- Communication Systems
- Laboratory test

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency range	6		18	GHz
Insertion Loss@25℃			1	dB
Insertion Loss@-30~+70℃			1.5	dB
Isolation@25℃	12			dB
Isolation@-30~+70℃	11			dB
VSWR@25℃			1.65	:1
VSWR@-30~+70℃			1.7	:1
Power handling		20		W
Reverse Power		20		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*28.5*15	mm

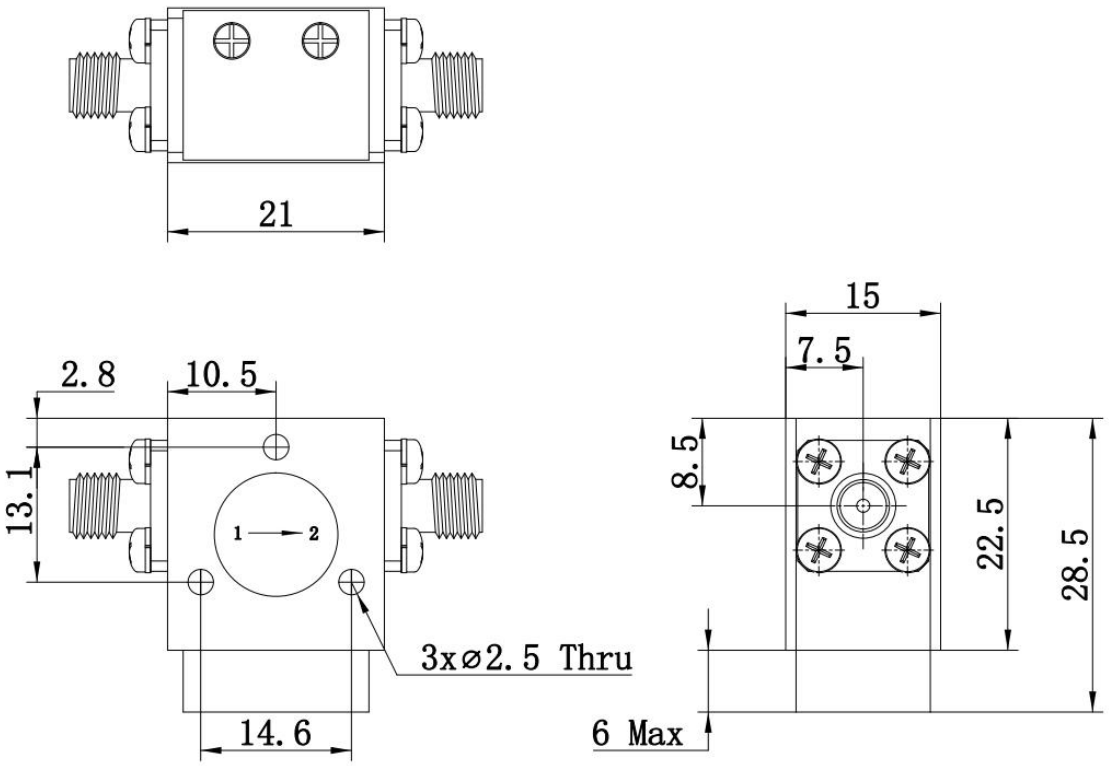
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Absolute Maximum Ratings:

Parameter	Value
RF Input Power	+43 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
TLI6G18G-20W	Coaxial Isolator, 6-18GHz, Isolation: 12dB Min	Rev.1.0