泰莱微波
Talent Microwave

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Coaxial Circulator

2.92mm Female/2W

Model: TLC17G31G

The TLC17G31G is a coaxial circulator designed to operate from 17GHz to 31GHz. The coaxial circulator offers minimum 14 dB isolation and 1.6:1 maximum VSWR. The input and output port configuration offers coax adapter structure with 2.92mm female.

Features:

- Operating Frequency 17 to 31GHz
- Low Insertion Loss
- Moderate Isolation
- Compact Configuration

Applications:

- Port Isolation
- Module Integration

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	17		31	GHz
Insertion Loss@25℃			1.1	dB
Insertion Loss@-30~+70℃			1.2	dB
Isolation@25℃	14			dB
Isolation@-30~+70℃	12			dB
VSWR@25℃			1.6	:1
VSWR@-30~+70℃			1.7	:1
Power Handling	CW: 2W			W
Direction	Clockwise: 1→2→3			
Impedance	50			Ohms

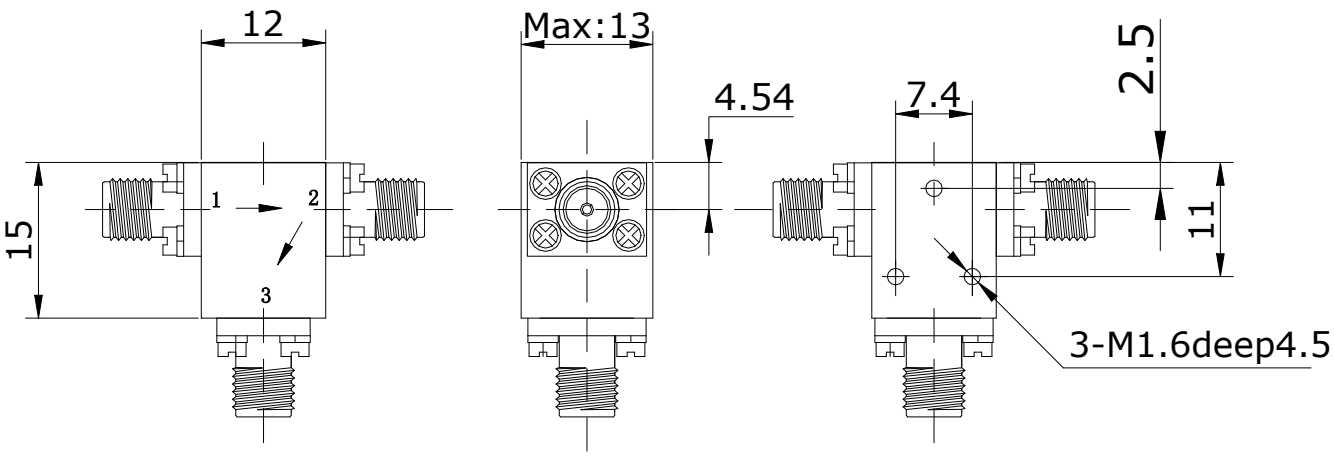
Envrionmental And Physical Characteristics:

Parameter	Value	Units
Operating Temerature	-30 To +70	℃
Connectors	2.92mm Female	
Size	12*15*13	mm

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Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

Ordering Information:

Base Number	Description	Revision
TLC17G31G	Coaxial Circulator, 17-31GHz, Insertion loss: 1.1dB, Port Isolation: 14dB	Rev.1.0