泰莱微波
Talent Microwave

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Coaxial Circulator

2.92mm Female/3W

Model: TLC27G31G

The TLC27G31G is a coaxial circulator designed to operate from 27GHz to 31GHz. The coaxial circulator offers minimum 19 dB isolation and 1.25:1 maximum VSWR. The input and output port configuration offers coax adapter structure with 2.92mm female.

Features:

- Operating Frequency 27 to 31GHz
- Low Insertion Loss
- Moderate Isolation
- Compact Configuration

Applications:

- Port Isolation
- Module Integration

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	27		31	GHz
Insertion Loss@25℃			0.6	dB
Insertion Loss@-40~+70℃			0.7	dB
Isolation@25℃	19			dB
Isolation@-40~+70℃	17			dB
VSWR@25℃			1.25	:1
VSWR@-40~+70℃			1.3	:1
Power handling		3		W
Reverse Power		1		W
Direction	Clockwise: 1→2→3			
Impedance	50			Ohms

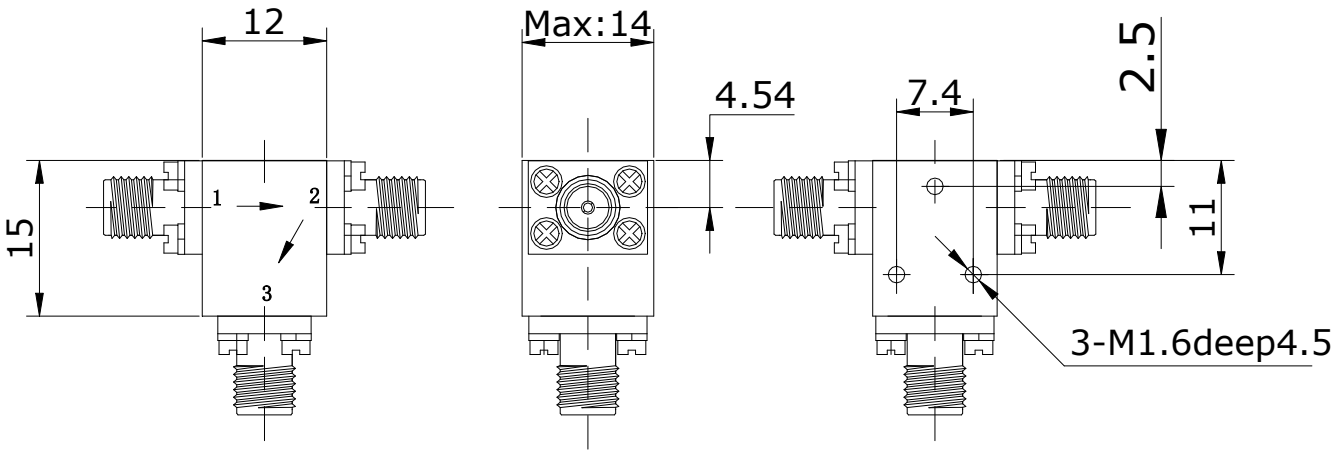
Envrionmental And Physical Characteristics:

Parameter	Value	Units
Operating Temerature	-40 To +70	℃
Connectors	2.92mm Female	
Size	12*15*14	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
TLC27G31G	Coaxial Circulator, 27-31GHz, Insertion loss: 0.6dB, Port Isolation: 19dB	Rev.1.0