泰莱微波 Talent Microwave
Suzhou Talent Microwave,Inc
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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

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency Range	27		31	GHz
插损 Insertion Loss@25℃			0.6	dB
插损 Insertion Loss@-40~+70℃			0.7	dB
隔离度 Isolation@25℃	19			dB
隔离度 Isolation@-40~+70℃	17			dB
驻波 VSWR@25℃			1.25	:1
驻波 VSWR@-40~+70℃			1.3	:1
耐功率 Power handling		3		W
反射功率 Reverse Power		1		W
方向 Direction	Clockwise: 1→2→3			
阻抗 Impedance	50			Ohms

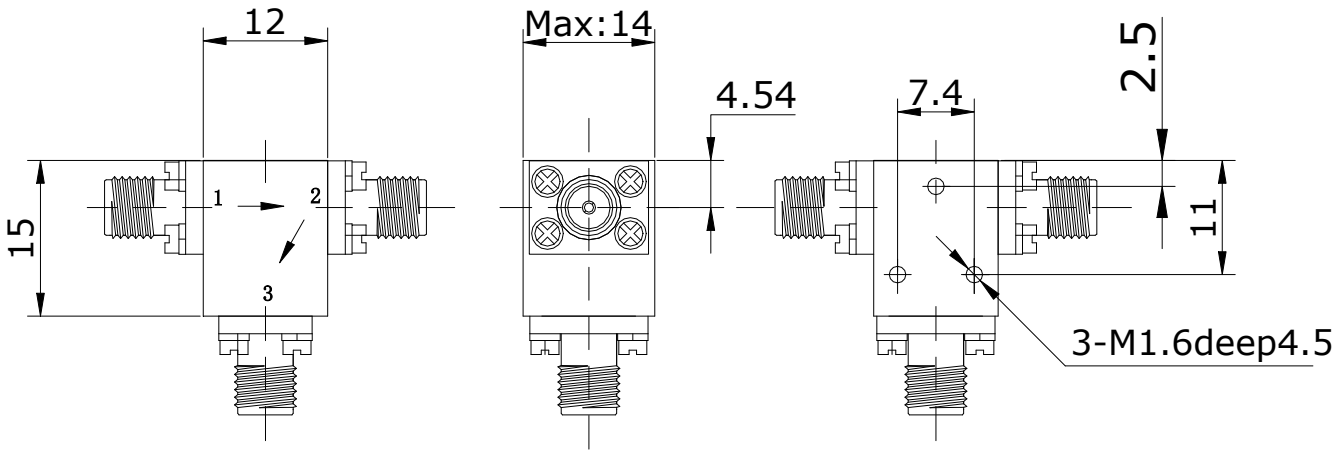
环境和机械特性 Envrionmental And Physical Characteristics:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temerature	-40 To +70	℃
接口 Connectors	2.92mm Female	
尺寸 Size	12*15*14	mm

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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
TLC27G31G	Coaxial Circulator, 27-31GHz, Insertion loss: 0.6dB, Port Isolation: 19dB	Rev.1.0