泰莱微波
Talent Microwave

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Coaxial Circulator

SMA Female/50W

Model: TLC6G18G-D50W

The TLC6G18G-D50W is a coaxial circulator designed to operate from 6GHz to 18GHz. The coaxial circulator offers minimum 14 dB isolation and 1.5:1 maximum VSWR. The input and output port configuration offers coax adapter structure with SMA female.

Features:

- Operating Frequency 6 to 18GHz
- 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		6		18	GHz
插损 Insertion Loss@25℃	1→2			1.7	dB
	2→3			0.85	
插损 Insertion Loss @-10~+70℃	1→2			1.9	dB
	2→3			0.95	
隔离度 Isolation@25℃	2→1	28			dB
	3→2	14			
隔离度 Isolation @-10~+70℃	2→1	26			dB
	3→2	12			
驻波 VSWR@25℃				1.5	:1
驻波 VSWR@-10~+70℃				1.6	:1
耐功率 Power Handling		Average: 50W			W
反射功率 Reverse Power			20		W
方向 Direction		Clockwise: 1→2→3			
阻抗 Impedance		50			Ohms

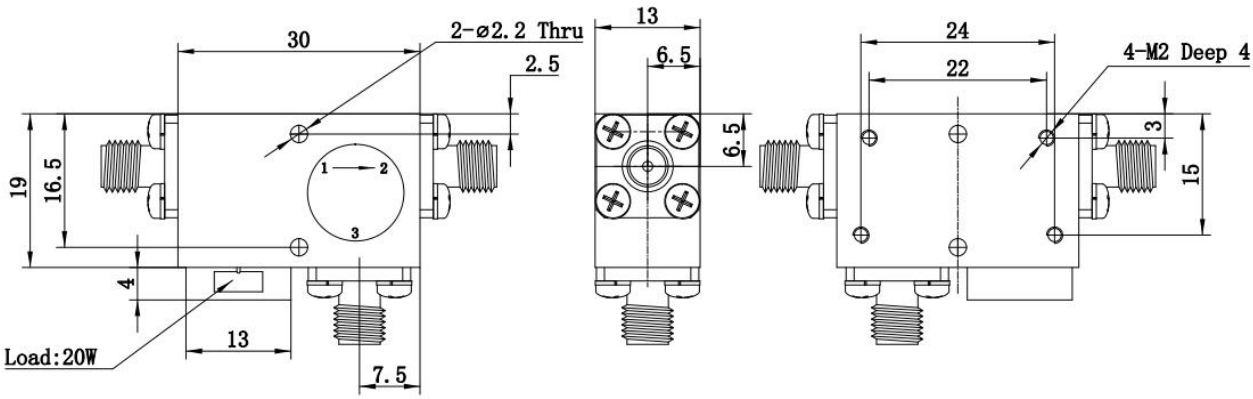
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环境和机械特性 Envrionmental And Physical Characteristics:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temerature	-10 To +70	℃
接口 Connectors	SMA Female	
尺寸 Size	30*23*13	mm

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
TLC6G18G-D50W	Coaxial Circulator, 6-18GHz, Insertion loss: 0.85dB, Port Isolation: 14dB	Rev.1.0