泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
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SMT Circulator

7.1-8.5GHz/10W

Model: TLC7.1G8.5G-SMT

The TLC7.1G8.5G-SMT is a SMT circulator designed to operate from 7.1GHz to 8.5GHz. The SMT circulator offers minimum 20 dB isolation and 1.25:1 maximum VSWR.

Features:

- Operating Frequency 7.1 to 8.5GHz
- 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	7.1		8.5	GHz
插损 Insertion Loss@25℃			0.4	dB
隔离度 Isolation@25℃	20			dB
驻波 VSWR@25℃			1.25	:1
耐功率 Power Handling	CW: 10 W			W
方向 Direction	Clockwise: 1→2→3			
阻抗 Impedance	50			Ohms

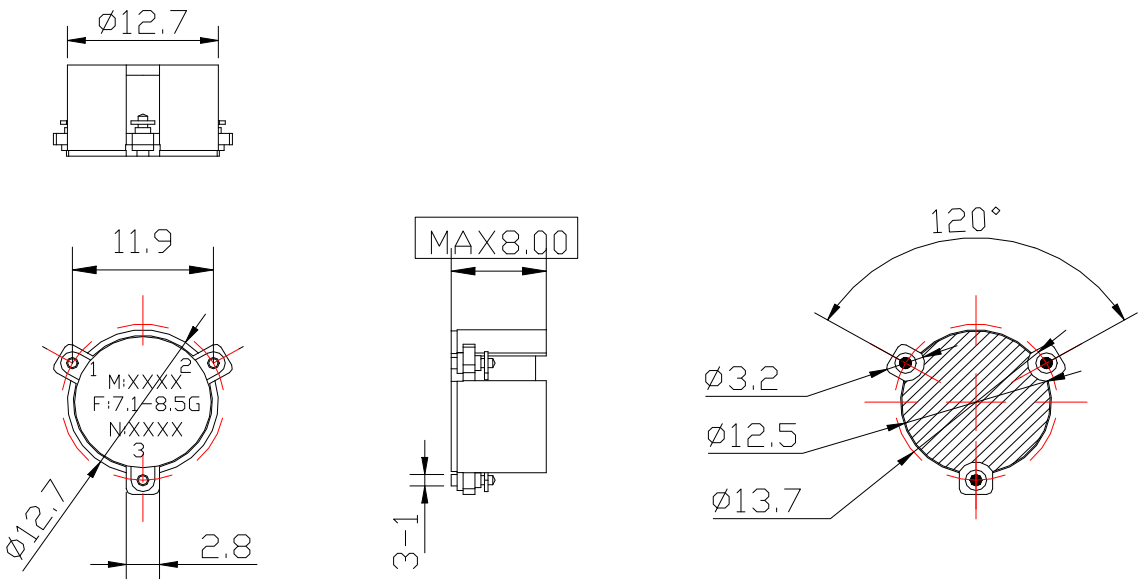
环境和机械特性 Envrionmental And Physical Characteristics:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temerature	-30 To +70	℃
回流温度 Reflow Temperature	220℃ max for 10 Seconds	
表面处理 Finish	Ag	
尺寸 Size	ø12.7*8	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
TLC7.1G8.5G-SMT	SMT Circulator, 7.1-8.5 GHz, Insertion loss: 0.4dB, Isolation: 20dB	Rev.1.0