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

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	7.1		8.5	GHz
nsertion Loss@25℃			0.4	dB
Isolation@25℃	20			dB
VSWR@25℃			1.25	:1
Power Handling	CW: 10 W			W
Direction	Clockwise: 1→2→3			
Impedance	50			Ohms

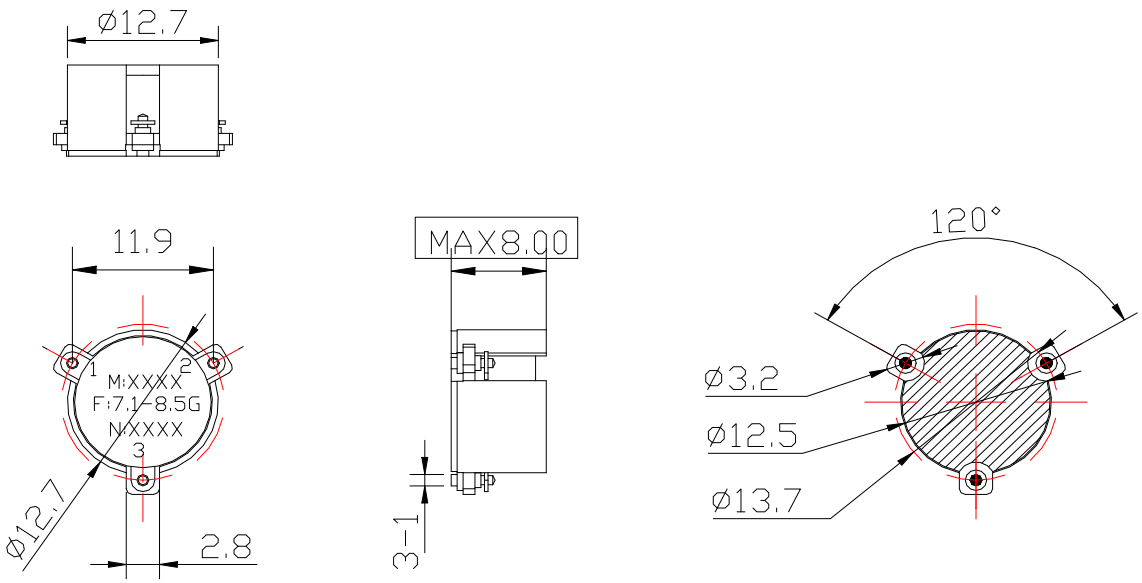
Envrionmental And Physical Characteristics:

Parameter	Value	Units
Operating Temerature	-30 To +70	℃
Reflow Temperature	220℃ max for 10 Seconds	
Finish	Ag	
Size	ø12.7*8	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
TLC7.1G8.5G-SMT	SMT Circulator, 7.1-8.5 GHz, Insertion loss: 0.4dB, Isolation: 20dB	Rev.1.0