泰莱微波
Talent Microwave

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Coaxial Circulator

SMA Female/5W

Model: TLC8G12G-D

The TLC8G12G-D is a coaxial circulator designed to operate from 8GHz to 12GHz. 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 SMA female.

Features:

- Operating Frequency 8 to 12GHz
- Low Insertion Loss
- Moderate Isolation
- Compact Configuration

Applications:

- Port Isolation
- Module Integration

Electrical Characteristics:

Parameter		Min	Typ	Max	Units
Frequency Range		8		12	GHz
Insertion Loss@25℃	1→2			0.9	dB
	2→3			0.45	
Insertion Loss @-30~+70℃	1→2			1	dB
	2→3			0.5	
Isolation@25℃	2→1	40			dB
	3→2	19			
Isolation @-30~+70℃	2→1	36			dB
	3→2	18			
VSWR@25℃				1.25	:1
VSWR@-30~+70℃				1.3	:1
Power Handling		Average: 5W			W
Direction		Clockwise: 1→2→3			
Impedance		50			Ohms

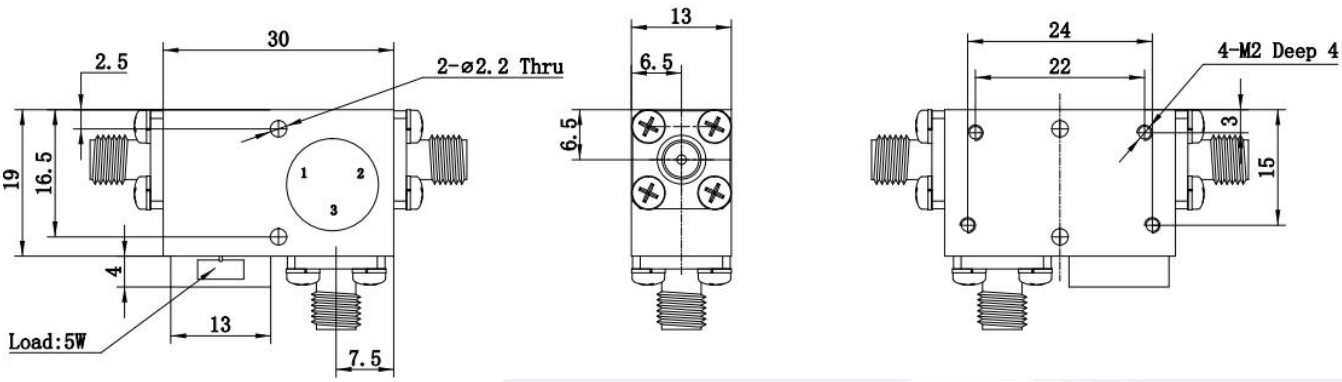
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Envrionmental And Physical Characteristics:

Parameter	Value	Units
Operating Temerature	-30 To +70	℃
Connectors	SMA Female	
Size	14*18.5*10	mm

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLC8G12G-D	Coaxial Circulator, 8-12 GHz, Insertion loss: 0.9dB, Port Isolation: 19dB	Rev.1.0