

Features

- High RF performance
- High frequency band
- Custom design available upon request
- Low Insertion Loss, Low VSWR
- Support subsequent technical service

Applications

Test & Measurement

Satellite

Military and Space

Radar

Network Analyzer

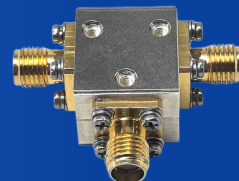
Communication Systems

Description

The circulator is a microwave passive device based on ferrite non-reciprocal effect . Its core function is to realize directional transmission of electromagnetic wave signal, separate transmit and receive signals, protect power amplifiers from reflected power . The product is equipped with standard waveguide /coaxial /microstrip port as its RF interface.

Technical Specifications

Parameters	Min.	Typ.	Max.	Units
Freq Range	29.5		30.5	GHz
Insertion Loss			0.65	dB
VSWR			1.25:1	
Isolation	20			dB
Forward Power		10		W
Impedance		50		Ω



Parameters	Min.	Typ.	Max.	Units
Operating Temperature Range	-30		+70	°C
Connector	2.92mm Female			
Direction	P1→P2→P3			

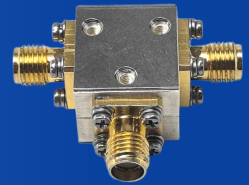
Notes:

Values at 25°C, sea level.

Typical Performances



Performance Test Curve(port1→port2)



Typical Performances

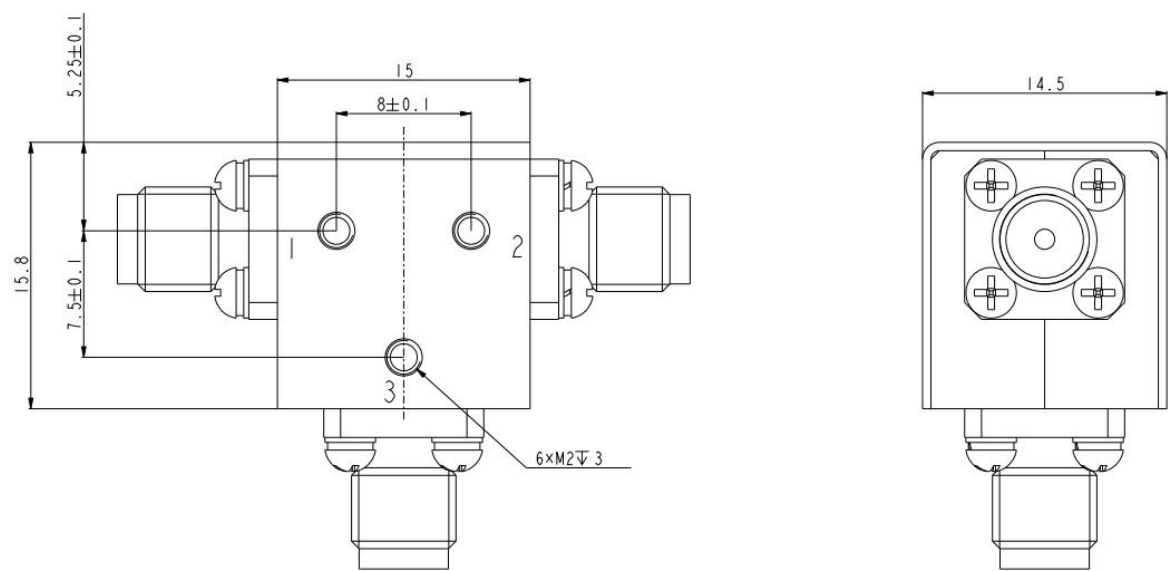


Performance Test Curve(port2→port3)



Performance Test Curve(port3→port1)

Outline Drawing:



NOTES:

- 1.UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
- 2.ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- 3.DIMENSIONS ARE IN mm.

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	Ka band Coaxial Circulator		
	JL.2.970.0011	REV	DATE
		V1.0	2026.10.19
	SCALE 1:1		