SNW-6036230718-15-C1

Rev. 1.0

V Band Waveguide Junction Circulator, 60 to 62 GHz

Description:

Model SNW-6036230718-15-C1 is a V band waveguide junction circulator that covers the frequency range of 60 to 62 GHz. The waveguide junction circulator is designed and manufactured to provide a low insertion loss of 0.7 dB typical, a nominal isolation of 18 dB, and a much shorter insertion length for system integration. The input and output ports are WR-15 waveguides with UG-385/U flanges.

Features:

- Low Insertion Loss
- Moderate Isolation
- Compact Configuration

Applications:

- Module Integration
- Port Isolation

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	60 GHz		62 GHz
Insertion Loss		0.7 dB	
Isolation		18 dB	
Return Loss		18 dB	
Forward Power Handling			3 W (CW)
Reverse Power Handling			1 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

Item	Specification
RF Ports	WR-15 Waveguide with UG-385/U Flange
Body Material	Aluminum
Body Finish	Gold Plated
Cover Finish	Black Anodized
Weight	0.8 Oz
Outline	NW-CV

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Phone: 424-757-0168 | Fax: 424-757-0188 | Email: sales@sagemillimeter.com

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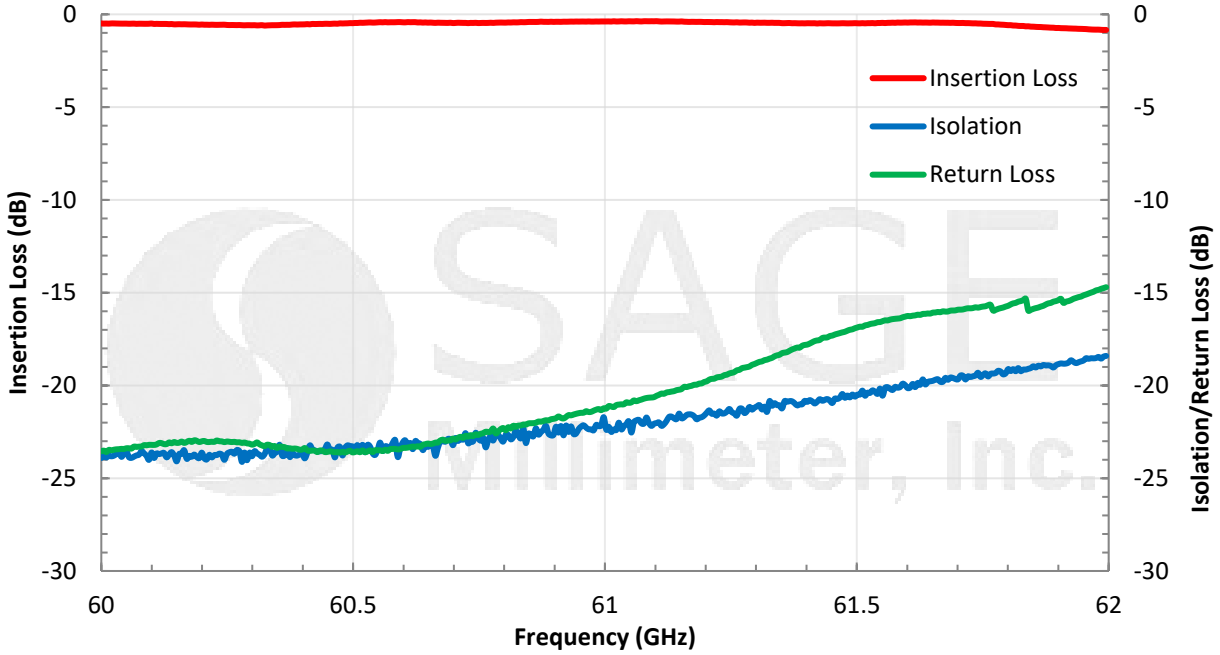
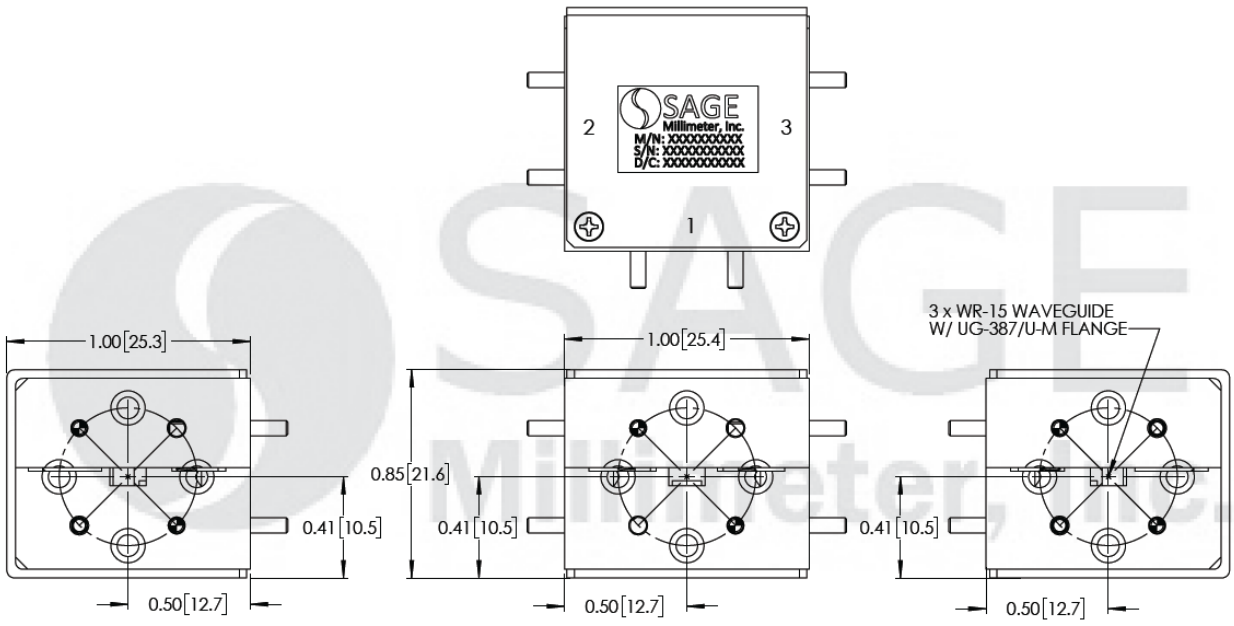
Typical Performance vs. Frequency



Note: The insertion loss, isolation and return loss between other ports, such as port 2 to port 3, are similar to the above plots.

Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



Note:

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- All data presented is collected from a sample lot. Actual data may vary unit to unit, slightly.
- All testing was performed under +25˚C case temperature.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

- Exceeding absolute maximum ratings will damage the device.
- This device is magnetic sensitive. Keep the device at least 6” away from magnetic fields.
- Any foreign objects in the waveguide will degrade the performance and/or damage the device.

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