

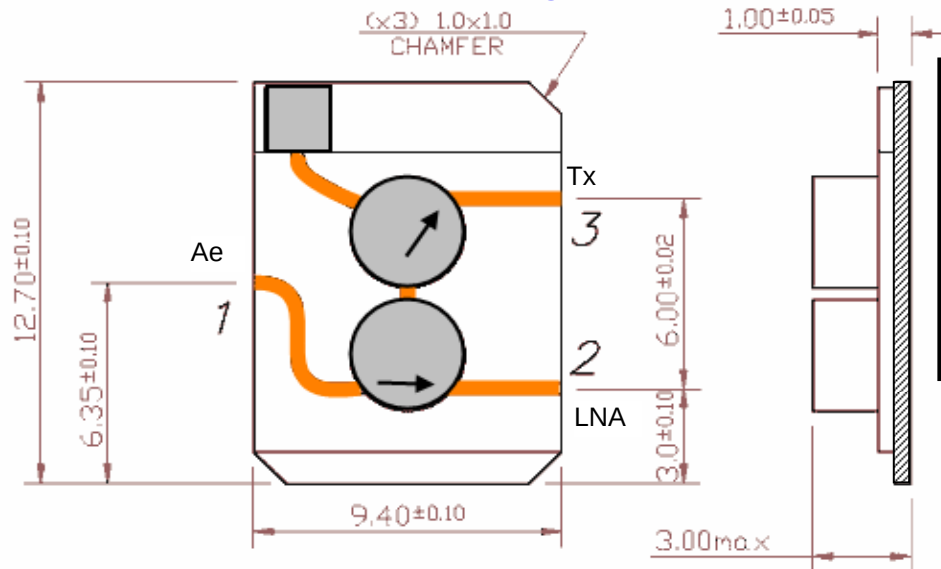
Microstrip X-Band 10% Bandwidth Isolator/Circulator 9.3-15.6 GHz, Dual Junction MSSM Metal Backed Substrate

Dual junction miniature Microstrip isolators/circulators

These devices provide better channel isolation between antenna, transmitter and receiver.

Minimum isolation between antenna and transmitter will be 33dB.

With less than 0.5dB(@ 10GHz loss through antenna to receiver channel.



Tolerance Table Metric (inch)

(unless otherwise stated):

Hole diameter +/- 0.1mm, (+/- 0.004")

Dimensions (w*h) +/- 0.3 mm, (+/- 0.015")

Dimensions (Microstrip pad, Stripline Tab, +/- 0.1mm, (+/- 0.04")

Dimensions (hole position)

+/- 0.1mm, (+/- 0.04")

Machined surfaces

Flatness 0.025/mm, (0.001/ inch)

Bend radius 0.8mm, (0.031" or 1/32")

X Band Unit shown

Units: mm (Inch)

Not to scale

Direction of RF:

R	Default	▶
L		◀

Order Examples: RADIC-9.3-10.0-MSSM-DJ-6WR-e

Specifications	Ports	9.3-10.0	13.0-15.0	14.0-15.6	Units
Frequency Range		9.3-10.0	13.0-15.0	14.0-15.6	GHz
Bandwidth		10	9	9	%
Insertion Loss (Port to Port)	1-2	0.5	0.5	0.5	dB (max)
	3-1	0.9	0.9	0.9	dB (max)
Isolation (Port to Port)	2-1	20	20	20	dB (min)
	2-3	20	33	33	dB (min)
	3-2	20	20	20	dB (min)
	1-3	36			
VSWR (max)		1.25	1.25	1.25	:1
Forward Power		6	2	2	Watts
Load Power		6	2	2	Watts
Operational Temp Range		-40 to +85	-40 to +85	-40 to +85	°C

Application Note:

- 1) The device should be mounted on the non-magnetic carrier or base, i.e. Aluminum
- 2) Humidity 5 to 95% non-condensing.
- 3) Max temperature during welding process: +350 °C @ 25 msec
- 4) Do not heat above 130°C

RADIC-9.3-15.6-MSSM-DJ-6WR-e

Specifications may be subject to change

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