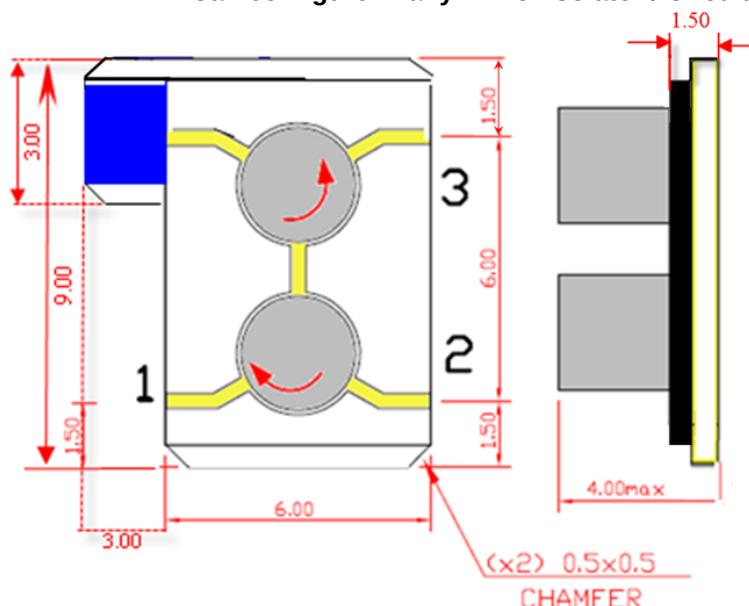


Microstrip Circulator - Isolator, 18-20GHz, Dual Junction Vertical, 10Watts, Model M2

RADCI-18.0-20.0-MS-DJV-10WRL-M2-b

Can configure in any mix of Isolator / Circulator: II, CC, IC, CI



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 0.025mm, (0.001/ inch)

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

Units: mm

Not to scale

Circulator: -R Clockwise

Isolator: -L Counter Clockwise

Specifications	RADCI				Units	
Frequency	Symbol	18-20		24.0-24.25		
		Min	Max	Min	Max	
Insertion Loss (P2-P1)	IL21	-	0.65	-	0.75	dB
Insertion Loss (P1-P3)	IL13	-	1.10	-	1.5	dB
Isolation (P1-P2)	ISO12	20	-	22	-	dB
Isolation (P3-P2)	ISO32	20	-	22	-	dB
Isolation (P2-P3)	ISO23	20	-	22	-	dB
Isolation (P3-P1)	ISO31	35	-	30	-	dB
VSWR (max) on all ports	VSWR	-	1.3		1.3	:1
Power Rating Forward	PWF	-	10		10	Watts
Power Load	PWL	-	10		10	Watts
Operating Temperature	Top	-40	+70	-40	+70	°C
Storage Temperature	Tstr	-40	+85	-40	+85	°C

Notes:

- 1) Do not heat above 130°C
- 2) RoHS Compliant.
- 3) Load and Tuning conductor (97In3Ag)
- 4) Humidity 5 to 95% non-condensing.
- 5) Max temperature during welding process:
+350°C @ 25 msec.

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Specifications may be subject to change

06/18/13

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