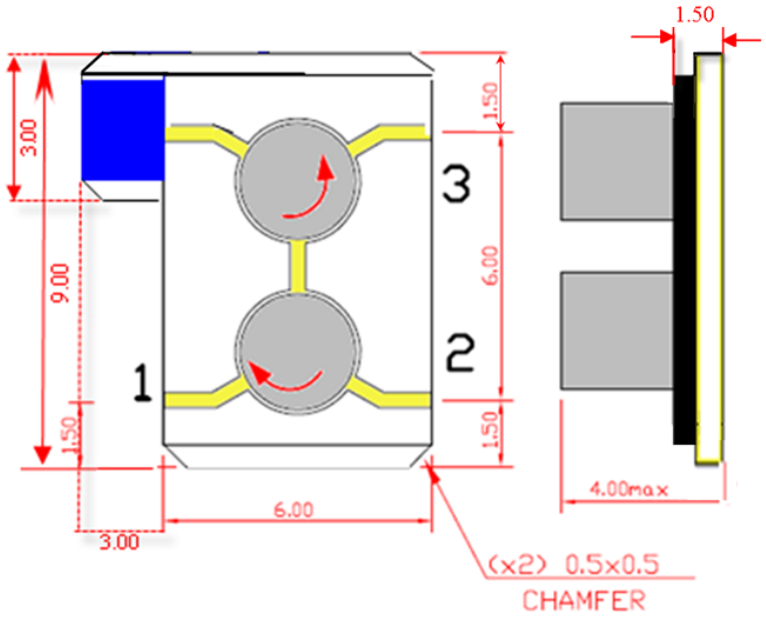
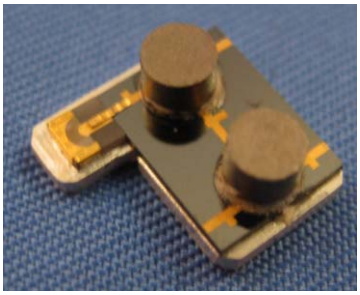
MICROSTRIP CIRCULATOR / ISOLATOR

Dual Junction, Vertical, 10Watts or 15Watts



Tolerance Table Metric (inch)
(unless otherwise stated):
Hole diameter +/- 0.1mm, (+/- 0.004")
Dimensions (w*l*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")

Units: mm
Not to scale



Circulator: -R Clockwise
Isolator: -L Counter Clockwise

Order Examples: RADCI-15.5-17.5-DJV-10WRL-M2-b

Specifications	RADCI						Units
Frequency	Symbol	**15.3-17.7**		**15.5-16.5**		**15.5-17.5**		**GHz**
		Min	Max	Min	Max	Min	Max	
Insertion Loss (P2-P1)	IL21	-	0.65	-	0.65	-	0.65	**dB**
Insertion Loss (P1-P3)	IL13	-	1.10	-	1.10	-	1.10	**dB**
Isolation (P1-P2)	ISO12	20	-	20	-	20	-	**dB**
Isolation (P3-P2)	ISO32	20	-	20	-	20	-	**dB**
Isolation (P2-P3)	ISO23	20	-	20	-	20	-	**dB**
Isolation (P3-P1)	ISO31	35	-	35	-	35	-	**dB**
VSWR (max) on all ports	VSWR	-	1.3:1	-	1.3:1	-	1.3:1	
Power Rating Forward	PWF	-	10	-	15	-	10	**Watts**
Power Load	PWL	-	10	-	15	-	10	**Watts**
Operating Temperature	Top	-40	+70	-40	+70	-40	+70	**ºC**
Storage Temperature	Tstr	-40	+85	-40	+85	-40	+85	**ºC**

Notes:

1) Do not heat above 140ºC
2) RoHS Compliant.
3) Load and Tuning conductor (97In3Ag)
4) Humidity 5 to 95% non-condensing.
5) Max temperature during welding process: +350ºC @ 25 msec.

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MICROSTRIP CIRCULATOR / ISOLATOR

Dual Junction, Vertical, 10Watts or 15Watts

Specifications	RADCI							Units
Frequency	Symbol	**15.5-17.9**		**16.6-17.6**				**GHz**
		Min	Max	Min	Max			
Insertion Loss (P2-P1)	IL21	-	0.65	-	0.65			**dB**
Insertion Loss (P1-P3)	IL13	-	1.10	-	1.10			**dB**
Isolation (P1-P2)	ISO12	20	-	20	-			**dB**
Isolation (P3-P2)	ISO32	20	-	20	-			**dB**
Isolation (P2-P3)	ISO23	20	-	20	-			**dB**
Isolation (P3-P1)	ISO31	35	-	35	-			**dB**
VSWR (max) on all ports	VSWR	-	1.3:1	-	1.3:1			
Power Rating Forward	PWF	-	10/15	-	10			**Watts**
Power Load	PWL	-	10/15	-	10			**Watts**
Operating Temperature	Top	-40	+70	-40	+70			**ºC**
Storage Temperature	Tstr	-40	+85	-40	+85			**ºC**

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