

ROHS Compliant

RADITEK INC.

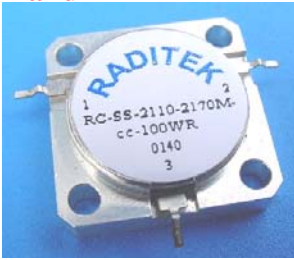
C Band

KU Band

SERIES TT-bb Stripline 3.0-15.0GHz Circulator 50W
SERIES SS-bd Stripline 3.0-15.0GHz Isolator 50-60W
SERIES SS-bb Stripline 3.0-15GHz Isolator 10W

X Band

RADITEK



RC-TT-bb Circulator-50/50W
RI-SS-bd Isolator-50W / 50W
RI-SS-bb+ Isolator-50/10W

Circuit tab detail: (silver plated)

Unit	Length	Width bb	Thickness
Inch	0.07	0.025	0.005
mm	1.778	0.635	0.127

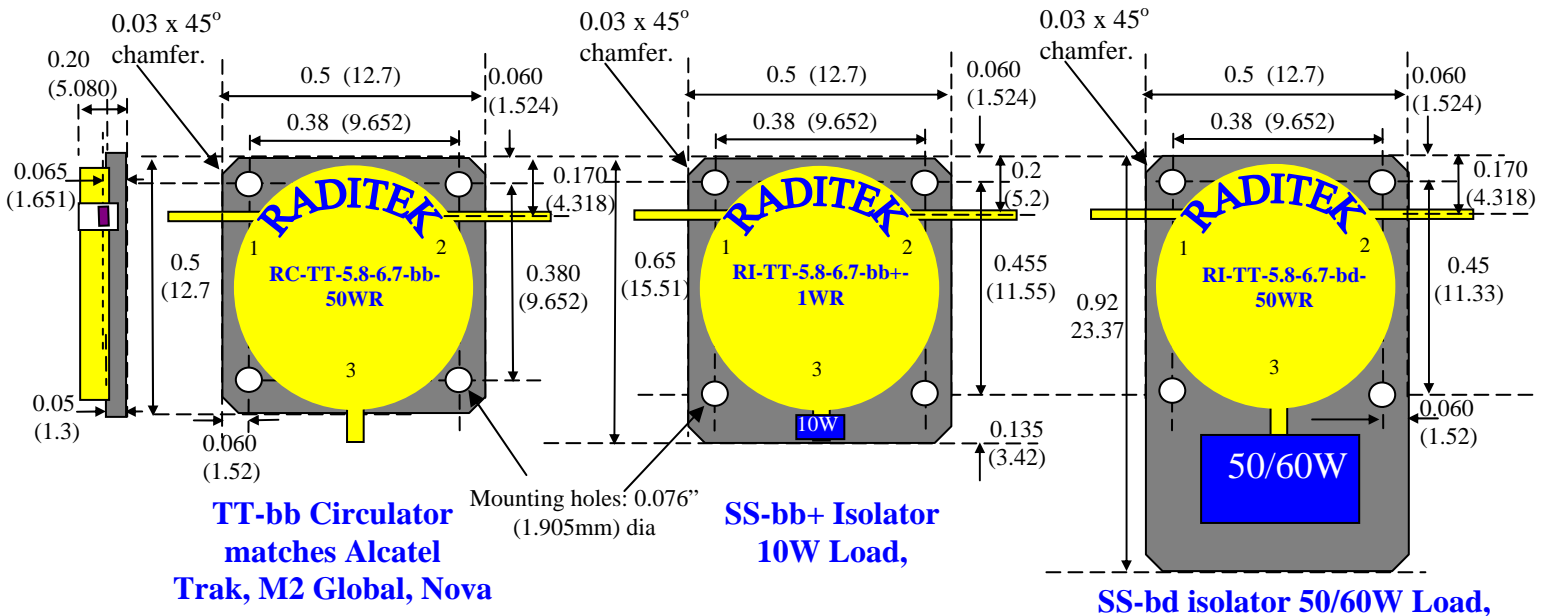
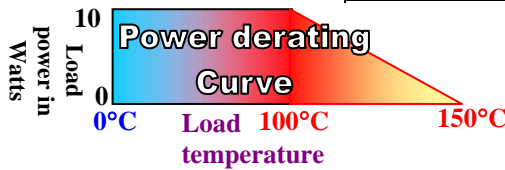
Machined surface: $63\sqrt$

Housings are made from Steel Aluminum, Magnetically shielded, Nickel plated.

Tolerance	.XX	.XXX
Inch	± 0.02	± 0.010

(example)Order as: **RI-SS-F1-F2-bb-50WR**

Direction of RF:	
R	default →
L	←



	TT-bb	SS-bb+	SS-bbn	SS-bd	
General specifications:	bb circ	bb+ isol	bbn isol	bd isol	
Max. Fwd power:	60 Watts	20 Watts	20 Watts	50 Watts	Average
Max. Rev power(avg): (Load rating) (bd model)	60 Watts	10 Watts	2 Watts	50 Watts	Assumes infinite heat sink Load temp to be < 85°C
Peak Power handling	200 Watts	200 Watts	200 Watts	400 Watts	12.5% duty cycle
Operating temp.	-25°C to 85°C	-30°C to 65°C	-30°C to 65°C	-25°C to 85°C	
Storage temp.	-55°C to 110°C	-55°C to 110°C	-55°C to 110°C	-55°C to 110°C	

RI, RC-b-models

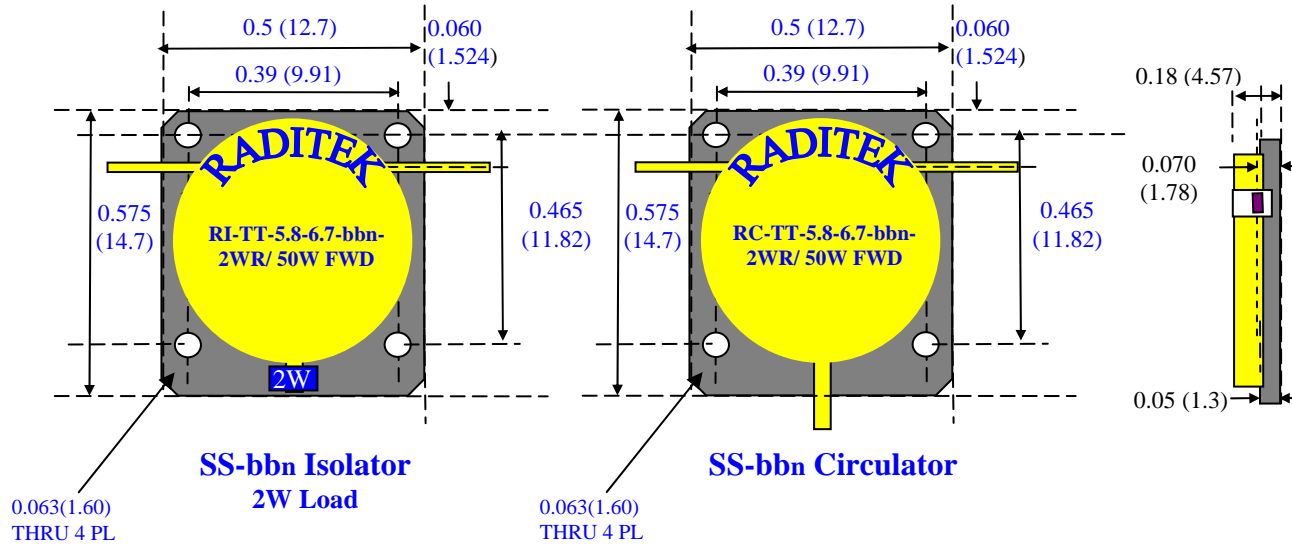
Specifications may be subject to change

02/26/07

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Frequency GHz (F1-F2)	Ins. Loss dB	ISO. dB	Ret. Loss:	VSWR	Comment
3.1-3.5G	0.45	20	20	1.25	
3.7-4.2G	0.4	20	20	1.20	
3.7-4.6	0.6	18	17.7	1.3:1	
4.2-4.4	0.4	20	19	1.25:1	
4.2-4.8	0.4	20	20	1.20	
4.8-5.3	0.4	20	20	1.20:1	
4.9-5.0	0.4	20	20	1.20:1	
5.0-6.0	0.5	20	19	1.25:1	
5.1-5.8	<0.3 @ 0°C to 70°C <0.5 @ -15°C to 85°C	20		<1.5	-15 to +85
5.2-5.9	0.5	20	19	1.25:1	
5.2-6.2	0.5	20	19	1.25:1	
5.2-6.4	0.5	19	18	1.3:1	
5.4-5.7	0.4	20	20	1.20:1	
5.8-6.2	0.4	20	19	1.25:1	
5.9-6.4	0.4	20	19	1.25:1	
5.8-6.5	0.4	20	19	1.25:1	bbn
6.4-7.2	0.4	20	19	1.25:1	bbn
5.8-6.7	0.5	20	19	1.25:1	
6.5-8.5	0.4	20	20	1.25	bbn
6.5-8.6	0.4	20	20	1.25	-40 to 85 tbc
6.6-7.1	0.4	20	20	1.20	
7.2-8.4	0.4	20	19	1.25:1	
8.0-8.5	0.5	19	19	1.25:1	

Frequency GHz (F1-F2)	Ins. Loss dB	ISO. dB	Ret. Loss:	VSWR	Comment
8.2-9.6	0.4	20	19	1.25:1	-30 - 65
8.8-9.5	0.5	20	20	1.20	
9.5-10.5	0.5	20	19	1.25	
10.0-11.0	0.55	18	19	1.25:1	
12.1-12.8	0.5	19	19	1.25:1	
12.0-15.0	0.6	16	16.5	1.35	
13.75-14.50	0.5	18	19	1.25	