

1500MHz-3.9GHz

Standard specification examples:

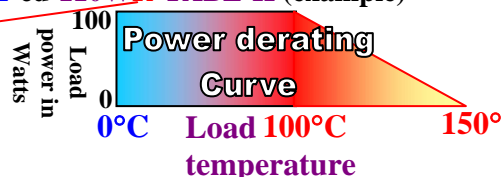
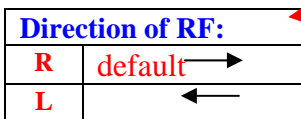
Frequency MHz (F1-F2)	Band	Ins. Loss dB	ISO. dB	Ret. Loss:	VSWR
1805-1880	DCS	0.29	22	21	1.19:1
1930-1990	PCS	0.29	22	21	1.19:1
2.1-2.17G*	UMTS	0.29	22	21	1.19:1
2.3-2.5G*	WCDMA	0.30	23	21	1.19:1



Circuit tab detail: (silver plated)

Unit	Length	Width cc/cd	Thickness
Inch	0.09	0.025	0.005
mm	2.29	0.64	0.13

Order as: **RI-SS-F1-F2-cd-110WR-TABL-H** (example)

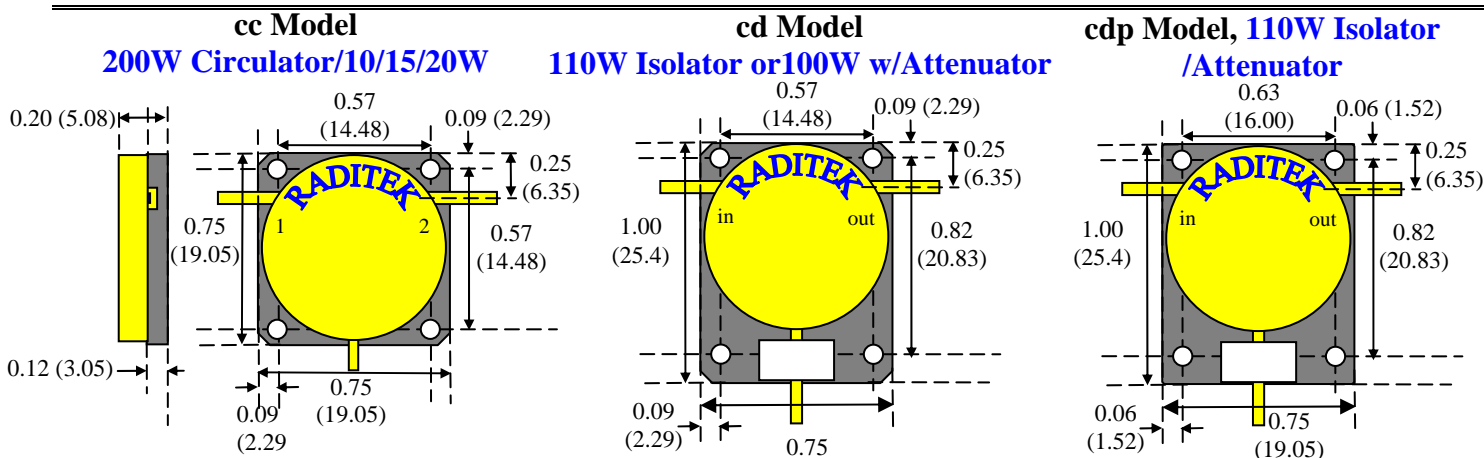


Order Examples:

- RC-SS-1805-1880M-cc-200WR 200W Load Model
- RI-SS-2.1-2.17-cd-110WR 110W Load Model
- RI-SS-2.3-2.5-cd-100WR-A20 100W 20dB Attenuator Model

See the RI-TT-de-U models for best IMD performance

This unit's performance is guaranteed to far exceed any competition! Other frequencies are available.



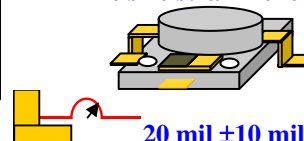
Mounting holes are 0.104" (2.6mm) diameter. Monitor tab on load is ~ 0.15 (3.8mm) long.

Options:

Attenuator type	-A20; -A30	20 dB or 30 dB
Surface mount	-S	Tab is level with base Note IL degrades 0.05 to 0.1dB
Special	-Z	Tab ht. is 62 mils (1.58 mm)
Low Intermodulation.	-H	Optimized for best IMD for its size. Typ.: <-63dBc, 2 x 30W tones, 10MHz apart.
Monitor TAB left (right)	-TABL(R)	available on Isolators < 2.0GHz
PM: Relative Phase Match	+/-5° max	To a gold standard average from first production run.

Tolerance	.XX	.XXX
Inch	±0.02	±0.010
mm	±0.5	±0.25

Tabs can be bent flush with base for surface mounting "option S"
c size strain relief (option):



20 mil ±10 mil radius (0.5±0.25mm)

Machined surface: $\sqrt{63}$
Housings are made from Aluminum, Magnetically shielded, Nickel plated.

General specifications:

Max. Fwd power:	250 Watts	Average
Max. Rev power (avg): (Load rating)	110 Watts (cd) 10/15/20W (cc)	Assumes infinite heat sink Load temp to be < 85°C
Peak Power handling	1000 Watts	Forward
Operating temp.	-20°C to 85°C	-54°C to 110°C (storage)

RI, RC-SS-c-models

Specifications may be subject to change

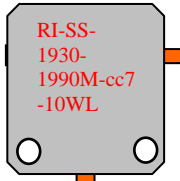
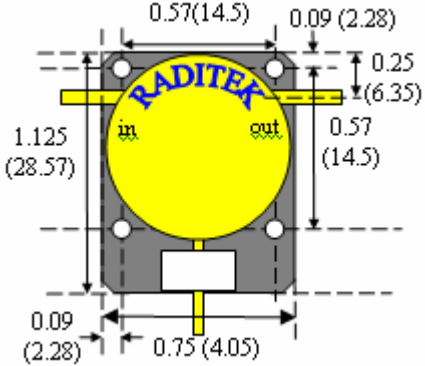
02/26/07

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Telephone: (408) 266-7404 FAX: (408) 266-4483

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Vibration:	20 g, 10~2 KHz
Shock:	100g, 6 msec (half sine)



cc7 option

cdT -isolator

Additional specs for SS-c models

Freq. Hz	Insertion Loss dB Max.	Isolation Min. dB	Ret Loss dB	VSWR	@	
1435-1535M	0.5	20	18	1.30		
1518-1675M	0.7	16	19	1.25		
1522-1661M	0.6	17	20	1.22		
1600-1750M	0.6	17	20	1.22		
1620-1660M	0.4	23	23	1.15		0.42/20/20 RT 0.4/23/23 @85C 0.6/22/22 @100C
1626-1660M	0.4	23	23	1.15		0.42/20/20 RT 0.4/23/23 @85C 0.6/22/22 @100C
1626-1661M	0.45	19	21	1.19		
1650-1750M	0.35	18	19	1.25		
1700-1800M	0.35	18	19	1.25	1700-1800M	
1700-1900M	0.40	17	20	1.22		
1700-1850M	0.35	18	18	1.30		
1700-2000M	0.55	16	18	1.30		0.6/16/18 smt
1710-1885M	0.40	18	18	1.30		
1710-1785M	0.35	18	18	1.30		
1750-1780M	0.25	21	21	1.19		
1750-1810M	0.35	21	19	1.25		
1750-1820M	0.35	21	19	1.25		
1750-1850M	0.30	20	19	1.25		
1750-1885M	0.40	19	19	1.25		
1760-1850M	0.30	19	19	1.25		
1768-1798M	0.35	21	19	1.25	-54 to 71C	
1770-1830M	0.35	21	19	1.25		
1800-1900M	0.30	21	21	1.19		72300-00004 cdt
1800-2000M	0.4	19	19	1.25		
1800-2200M	0.4	17	17	1.30		
1805-1880M	0.29	22	21	1.19		

Freq. Hz		Insertion Loss dB Max.	Isolation Min. dB	Ret Loss dB	VSWR	@	
1810-1840M		0.29	22	21	1.19		
1830-1880M		0.30	21	21	1.20		
1840-1870M		0.25	25	23	1.15		Changed 8/5/04
1850-2170M		0.28	20	20	1.25		Confirmed 3-15-05 SO 5585
1850-1910M		0.40	20	20	1.25		
1850-1990M		0.40	20	19	1.25	-10 to 85C	0.3/23/1.25 @ RT
1850-2050M		0.50	18	18	1.30	-80 to 85C	
1880-1920M		0.35	21	20	1.25		
1890-1930M		0.35	21	20	1.25		
1893-1920M		0.30	23	21	1.2		
1895-1920M		0.30	23	21	1.2		
1900-1915M		0.30	25	21	1.2		
1900-1990M		0.29	22	21	1.19		
1900-2000M		0.30	21.5	21	1.19		
1900-2002M		0.30	21.5	21	1.19		4-3-06
1900-2100M		0.35	21	19	1.25		
1910-2010M		0.30	23	20	1.25		
1920-1980M		0.30	23	20	1.25		
1920-2170M		0.45	19	18	1.30		
1930-1990M		0.29	22	21	1.19		
1930-1990M		0.29	23	21	1.19	-M	
1940-1960		0.29	23	21	1.19		
1950-2050M		0.30	23	20	1.25		
2.0-2.1G		0.30	20	20	1.25	20W	-30C to 70C
2.0-2.2G		0.35	21	19	1.25		
2.0-2.3G		0.40	20	18	1.30	* 0.45/20/18 -S	SO 4775 confirmed 4-16-04
2.0-2.4G		0.50	19	17			Test 3-29-05 Yossi
2.0-2.5G		0.7	18	16			SO 4775 confirmed 4-16-04
2.01-2.025	15M	0.30	20	20	1.25		0.25/22/22 @ RT
2.02-2.28G		0.40	20	18	1.30		
2.025-2.123G		0.25	23	19			
2.06-2.36		0.40	20	18	1.30		
2.07-2.21G		0.35	21	19	1.25		
2.025-2.25G		0.35	21	19	1.25		
2.09-2.19G		0.25	22	21	1.25		
2.1-2.2G		0.35	20	20	1.25		4-2-06
2.1-2.3G		0.35	18	18	1.30		
2.1-2.17G		0.25	22	21	1.20		
2.11-2.17G		0.25	22	21	1.20		Conf 11-16-04 dc
2.11-2.19G		0.25	22	21	1.19		
2.15-2.35G		0.35	18	18	1.30		
2.17-2.32G		0.35	18	18	1.30		
2.18-2.48G		0.40	20	20	1.20		
2.195-2215		0.25	22	21	1.19		2204MHz spot freq

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Freq. Hz		Insertion Loss dB Max.	Isolation Min. dB	Ret Loss dB	VSWR	@	
2.2-2.3G		0.30	24	23	1.15		0.4/22/21 for -S
2.2-2.4G		0.30	24	23	1.15		
2.261-2.499G		0.40	21	20	1.20		
2.2-2.5G		0.50	18	17.7	1.30		-40° + 80°C
2.2-2.5G		0.35	22	20	1.20		0.45/20/18 for -S
2.2-2.6G		0.40	20	19	1.25		
2.3-2.4G		0.30	24	23	1.15		
2.3-2.5G		0.30	23	21	1.19		
2.3-2.6G		0.35	22	20	1.20		
2.3-2.7G		0.40	20	19	1.25		
2.375-2.385G		0.30	24	23	1.15		
2.33-2.36G		0.30	24	23	1.15		
2.4-2.5G		0.30	24	23	1.15	Confirmed 1-25-05	0.4/20/20 for -S (ud 8/3/06)
2.45-2.55G		0.30	24	23	1.15		
2.4-2.4835G		0.30	22	20.8	1.20		-30° + 65°C
2.48-2.5G		0.30	24	23	1.15		
2.4-2.6G		0.35	22	21	1.19		
2.4-2.75G		0.40	20	19	1.25		
2.4-2.8G		0.40	20	19	1.25		
2.49-2.7G		0.35	22	21	1.19		
2.5-2.69G		0.30	20	20	1.19		
2.5-2.7G		0.30	20	20	1.19		
2.5-2.9G		0.50	18	18	1.30		
2.51-2.57G	60	0.3	22	20	1.22	0 to 50C	RFQ 10378
2.66-2.7G		0.3	22	20	1.22		
2.6-2.9G		0.4	20	20.8	1.20		
2.6-3.0G		0.50	18	18	1.30		
2.6-3.2G	600	0.6	16	16	1.40		
2.62-2.68G	60	0.3	22	20	1.22	0 to 50C	RFQ 10378
2.624-2.673G	49	0.23	30	26	1.10	0 to 50C	Wi-Max special circ
2.677-2.687G	10	0.20	35	30	1.07	0 to 50C	Wi-Max special circ
2.69-2.91G		0.35	21	19	1.25		
2.7-2.9G		0.35	21	19	1.25		
2.7-3.0G		0.38	22	22	1.25		
2.7-3.1G		0.4	21	21	1.20		0.4/21/21@ RT, 0.4/22/22 @85C Confirmed 1/15/07 dc
2.7-3.5G		1.00	15	15		0 to 50C	Wide band
2.8-2.9G	100	0.3	20	20.8	1.20	0 to 60C	
2.8-3.2G		0.40	22	22	1.17	-20 to 85C	
2.87-3.33G		0.3	23	22	1.17	-10 to 90 C	
2.8-3.45G		0.8	16	16	1.35	0 to 50C	
2.95-3.05G	100	0.3	20	20	1.19		
3.0-3.2G		0.40	20	20	1.22		
3.0-3.5G	500	0.6	17	17	1.30		Confirmed mt 11-17-05

Freq. Hz		Insertion Loss dB Max.	Isolation Min. dB	Ret Loss dB	VSWR	@	
3.1-3.4G	300	0.40	20	20	1.25		
3.1-3.5G	400	0.4	20	20.8	1.20	0 to +70	
3.1-3.5G	400	0.45	20	20	1.25		
3.1-3.6G	400	0.55	18	18	1.30		
3.2-3.6G	400	0.5	19	19	1.25		
3.3-3.4		0.5	20	18	1.30		
3.35-3.45		0.5	20	18	1.30		
3.3-3.6G	300	0.3Typ	21	21	1.19	0.4 Max IL	
3.3-3.8G	500	0.4	20	20	1.22	SO 5892 7-21-05	
3.3-3.5G	300	0.3Typ	21	21	1.19	0.4 Max IL	
3.325-3.425G	300	0.3Typ	21	21	1.19	0.4 Max IL	
3.4-3.6G	300	0.3	21	21	1.19		0.4/20/20 for SMT
3.4-3.7G	300	0.3Typ	21	21	1.19	0.4 Max IL	Standard,
3.4-3.7G-S	300	0.4Typ	21	21	1.19	0.5 Max IL -s	Surface Mount
3.44-3.74G	300	0.3Typ	21	21	1.19	0.4 Max IL	0.3/25/21 @ Room Temp
3.4-3.8G	400	0.4	20.5	21	1.19		
3.4-3.9G	500	0.5	20	20.8	1.2		Code c -30 to 70C
3.4-3.9G	500	0.5	19	20	1.25		to 85C 9-1-06
3.5-3.6G		0.3	21	21	1.19		
3.5-3.7G		0.3	21	21	1.19		0.35/25/1.20 @ Room Temp
3.5-3.8G		0.3	23	20.8	1.2		Code c -30 to 70C
3.6-3.8G		0.3	21	21	1.19		