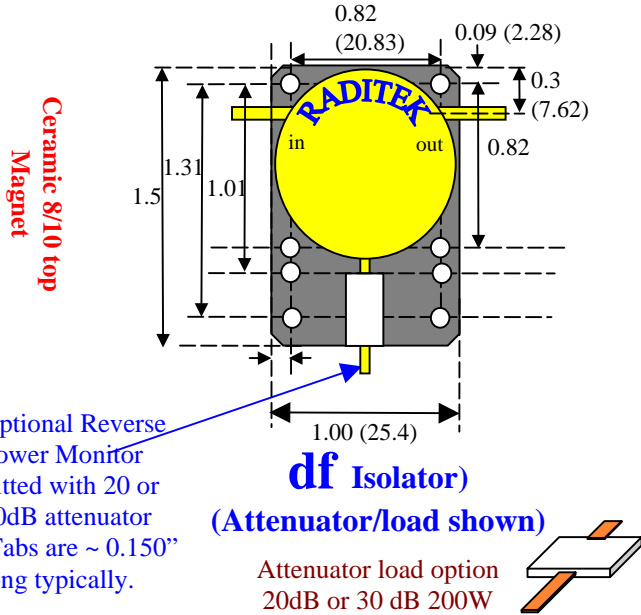
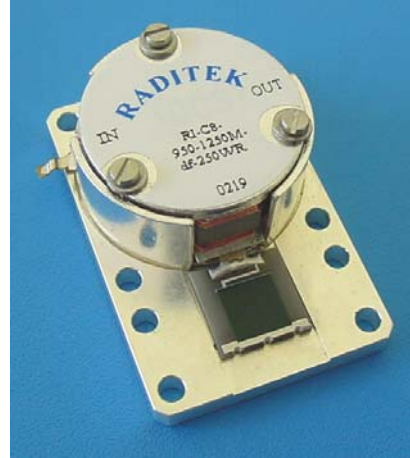


## RI-C10-df-200W isolator 800-2300MHz 10% Bandwidth Standard

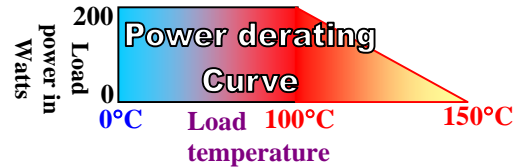


**Circuit Tab height: 0.15" (3.8mm).**  
**Overall height: <0.55 (14mm) (incl. magnet).**  
**Flange Thickness: 0.125" (3.18mm).**  
**Mounting holes Ø: 0.116" (2.95mm)**



### Circuit tab details:

Unit	Length	Width dd/de	Thickness
Inch	0.09	0.05	0.005
mm	2.29	1.4	0.13

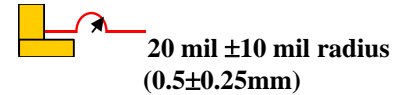


General specifications to 2.5 GHz:		
Max. Fwd power:	<b>300 Watts</b>	Average
Max. Rev power (avg): (Load rating)	<b>200 Watts load</b> <b>200W attenuator</b>	Assumes infinite heat sink Load temp to be kept < 85°C
Peak Power handling	<b>1200 Watts</b>	
Operating temp.	<b>-20°C to 85°C</b>	-54°C to 220°C storage
Specification Options:		
Attenuator type	<b>-A20; -A30</b>	20 dB or 30 dB

Order as: **RI-C10-F1-F2-df-200WR** See power derating curve for reverse power handling

Tolerance	Direction of RF:		
	.XX	.XXX	
Inch	±0.02	±0.010	<b>R</b> default →
mm	±0.5	±0.25	<b>L</b> ←

### Standard dd/de/df strain relief.



Machined surface:  $\sqrt[63]{}$   
 Housings are made from Steel & Aluminum, Magnetically shielded, and Silver plated.

### Standard specification examples:

Frequency MHz F1-F2	Insertion Loss dB Max.	Isolation Minimum dB	Return Loss dB	VSWR All ports	BAND F1-F2
869-894M	0.25 (0.15typ.)	24 (25 typ.)	23	1.15:1	Cellular
935-960M	0.25 (0.15typ.)	24 (25 typ.)	23	1.15:1	Cellular
1.93-1.99G	0.3 (0.2typ.)	24	23	1.15:1	PCS
2.09-2.12G	0.3	24	23	1.15:1	UMTS

**Models Available****RI-C10-869-894M-df-200WR**

Isolator Fitted with 200W load

**RI-C10-935-960M-df-200WR**

Isolator Fitted with 200W load

**RI-C10-869-894M-df-200WR-A20**

Isolator Fitted with 200W 20dB Attenuator

**RI-C10-869-894M-df-200WR-A30**

Isolator Fitted with 200W 30dB Attenuator

**Additional Specs for d models**

Frequency MHz	BW %	Insertion Loss dB Max.	Isolation Minimum dB	Return Loss dB	VSWR All ports	@	
747-767		0.25	22	1.20	1.19	full	
790-810		0.25	22	22	1.19	full	
800-900		0.3	21	21	1.20	full	
810-915	12.96	0.45	18		1.30	-15 to 85C	0.3/20/1.20 @ RT
820-850		0.25	22	22	1.19		
824-849		0.25	23	22	1.19	-15 to 85C	
824-894		0.3	21	21	1.20	-15 to 85C	
840-900		0.25	23	22	1.19	full	
851-894		0.25	22	22	1.19	full	
851-866		0.25	22	22	1.19	full	
860-900		0.30	22	21	1.20	full	
860-904		0.30	22	21	1.20		
860-915		0.30	22	21	1.20		
865-900		0.35	22		1.22	0 to 85C	
850-900		0.30	20	21	1.20		
880-915		0.25	22	21	1.19:1		
880-960		0.3	21	21	1.20	full	
869-894		0.25	24	23	1.15:1	Cellular	
900-980		0.40	20	21	1.20	-15 to +90C	
910-970		0.35	21	21	1.20	full	
911-946		0.35	21	21	1.20	full	
920-960	4	0.25	22	22	1.19	full	
925-960	4	0.3	22	22	1.19	full	
935-940		0.23	22	22	1.17	full	
947-960		0.25	22	22	1.19	full	
950-1250	31.6	0.8	16		1.5	full	
1030-1090	12.96	0.3	20		1.20	-20 to 85C	
1180-1420		0.5	18		1.30	full	
1250-1350		0.45	18		1.30	full	
1200-1400		0.5	20		1.25	-55 to 85C	
1600-1660		0.3	22	21	1.19	full	0.3/25/1.19 @ room temp
1700-2000		0.4	19.2	19.2	1.25:1		
1750-1770		0.3	24	21	1.19:1		
1785-1805		0.3	24	21	1.19:1		
1800-1900		0.4	20		1.22:1		
1805-1880	4.0	0.3	22	21	1.19:1		

<b>Frequency MHz</b>	<b>BW %</b>	<b>Insertion Loss dB Max.</b>	<b>Isolation Minimum dB</b>	<b>Return Loss dB</b>	<b>VSWR All ports</b>	<b>@</b>	
1830-1880		0.3	22		1.20		
1850-1910	3.2	0.3	24	21	1.19:1		
1900-2300		0.5	19.1	19.1			
1930-1990	3.1	0.3	24	21	1.19:1		
2090-2100	0.5	0.3	22	21	1.19:1		
2100-2170	3.3	0.3	24	21	1.19:1		
2270-2305		0.3	21	21			
2200-2300		0.55	19	19			