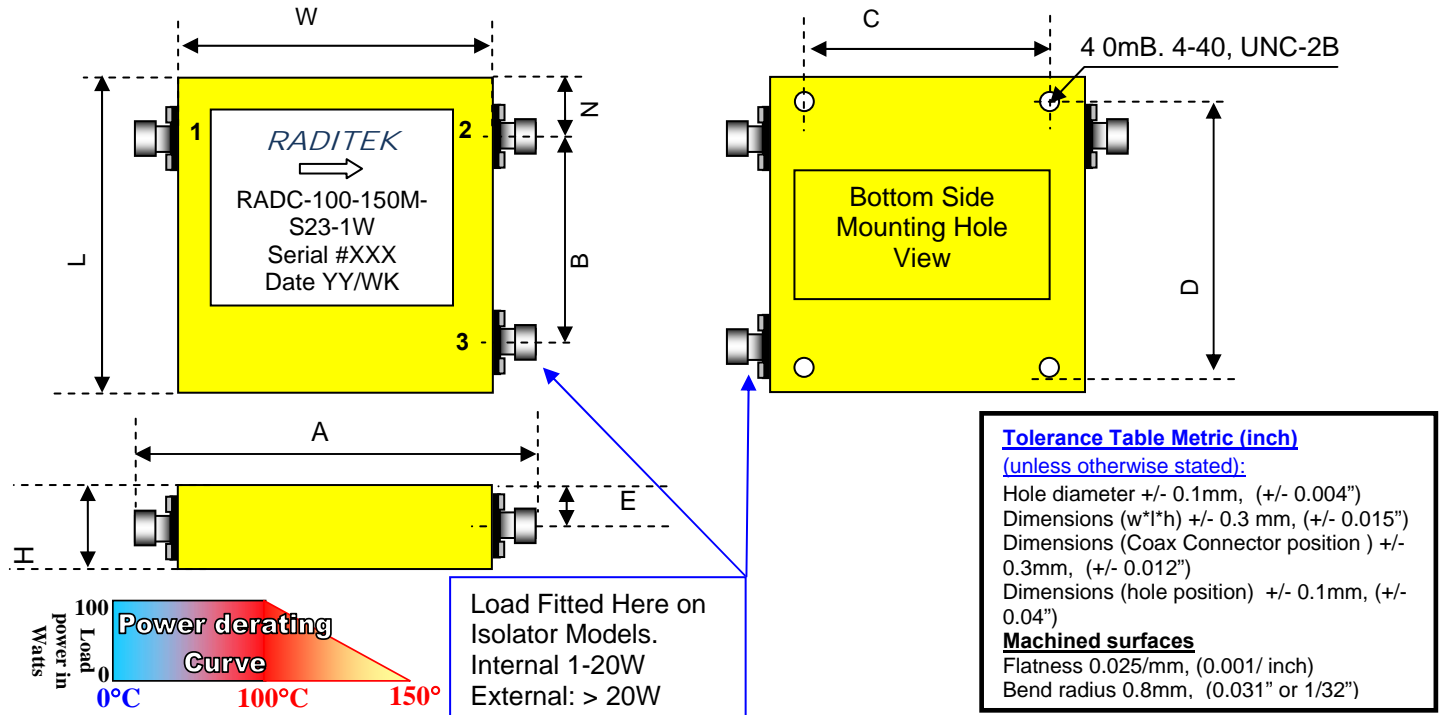


Isolator or Circulator 100-430MHz, Split Bands, N or SMA Connectors 1W / 2W / 5W / 10W / 20W / 50W / 100W / 250W/ 500W / 1000W



Direction of RF:	
R	Default ▶
L	◀

Order Examples: **RADI-F1-F2M-SX-1WR**
I=ISOLATOR / C=CIRCULATOR

N / SMA Connector options (X)				
Isolator			Circulator	
Port 1	Port 2		Port 3 Male	Port 3 Female
Female	Male	-1	-11	-21
Male	Female	-2	-12	-22
Female	Female	-3	-13	-23
Male	Male	-4	-14	-24

Dimensions:

Size#	W	L	H	N	A	B	C	D	E	
A1	66.1	64.8	25	tbc	tbc	tbc	tbc	tbc	tbc	mm
1	68	66	25	10	101.8	45	51+/-0.11	54+/-0.11	12.5	mm
2	67	64.75	24	9	85.45	44.6	51.50 +/-0.11	54.50 +/-0.11	11.70	mm
3	67	65	24.5	10	101.8	45	51+/-0.11	54+/-0.11	12.5	mm
4	80	80	24.5	10	114	60	62+/-0.11	68+/-0.11	12.0	mm
5	80	80	25	10	114	60	62+/-0.11	68+/-0.11	12.0	mm
6	196	196	70	TBA	TBA	TBA	TBA	TBA	TBA	mm
7	197	196	69	TBA	TBA	TBA	TBA	TBA	TBA	mm
8	160	160	60	TBA	TBA	TBA	TBA	TBA	TBA	mm
9	67	69	25	TBA	TBA	TBA	TBA	TBA	TBA	mm
11	78	80	25	TBA	TBA	TBA	TBA	TBA	TBA	mm
12	80	80	30	TBA	TBA	TBA	TBA	TBA	TBA	mm



Isolator or Circulator 100-430MHz, Split Bands, N or SMA Connectors 1W / 2W / 5W / 10W / 20W / 50W / 100W / 250W/ 500W / 1000W

Size#	W	L	H	N	A	B	C	D	E	
13	96	96	22.5	TBA	TBA	TBA	TBA	TBA	TBA	mm
14	150	150	30	TBA	TBA	TBA	TBA	TBA	TBA	mm
15	121	121	30	TBA	TBA	TBA	TBA	TBA	TBA	mm
16	175	215	40	TBA	TBA	TBA	TBA	TBA	TBA	mm
17	77	77	25	TBA	TBA	TBA	TBA	TBA	TBA	mm
18	69	67	25	TBA	TBA	TBA	TBA	TBA	TBA	mm
19	121	135	29	TBA	TBA	TBA	TBA	TBA	TBA	mm
20	106	119	28	TBA	TBA	TBA	TBA	TBA	TBA	mm
21	77	90	24.4	TBA	TBA	TBA	TBA	TBA	TBA	mm
22 (C)	66.4	66	25	TBA	TBA	TBA	TBA	TBA	TBA	mm
23 (I)	106	124	29	TBA	TBA	TBA	TBA	TBA	TBA	mm
24 (I)	66	66	25 max	12.9	TBA	TBA	53.8	50.9	TBA	mm
25 (C)	66	66	24.5	TBA	TBA	TBA	TBA	TBA	TBA	mm

Specifications:

Size#	Frequency MHz	BW	Insertion loss dB (max)	Isolation dB (min)	VSWR :1	Power Fwd Watts	Power Rev Watts	Temp Range °C	Connector
19	100-135		0.6 0.8	17 15	1.35 1.50	200	72	+25 0 to +70	N-Type
2	100-140		1.0 1.2	19 16	1.30 1.5	1	1	room -30 to +70	SMA
18	100-140	Full	1.0 1.2	17 15	1.35 1.55	1	1	room -10 to +70	SMA
2	100-140		1.0 1.2	17 15	1.5	1/5	1/5	room -10 to +60	SMA or B4
16	100-140		0.7	16	1.4		200	0 to +50	SMA
18	100-140	Full	1.0 1.2	17 15	1.4 1.6	10	10	+25 -10 to +60	N-Type
1	100-150		1.2 1.0	15 17	1.60 1.50	1, 10	1, 10	-10 to +50 -15 to +35	SMA
2(C)	100-150		1.0 1.2	17 15	1.5 1.5	50	20	+25 -10 to +70	SMA
2	100-150	Full	1.0 1.2	17 15	1.50	2, 30	2, 30	+25 -30 to +70	SMA
14	100-150		0.7 1.0	16 15	1.4 1.5	250	250	Room 0 to +50	N-Type
12	104-108	Full	0.6 0.8	20 18	1.3	5	1W Rev 500W Pk	+25 -10 to +70	N-Type
12	104-108	Full	0.7 0.9	20 18	1.3		60/ 600W Pk	room -10 to +70	N-Type
6	104-108	Full	0.4	20	1.22	500	500	0 to +40	N-Type
7	104-108	Full	0.4	20	1.22	1000	1000	0 to +40	N-Type
5	106-110	Full	0.6	19	1.25	60	60	-10 to +60	SMA
7	109-111	Full	0.4	20	1.22	10	10	0 to +40	SMA
4	110-150	Full	1.0 1.2	17 15	1.45 1.55	50	50	+25 to +50 -10 to +50	N-Type
5	110-150	Full	1.0 1.2	17 15	1.45 1.55	50	50	+25 -10 to +50	SMA

Isolator or Circulator 100-430MHz, Split Bands, N or SMA Connectors 1W / 2W / 5W / 10W / 20W / 50W / 100W / 250W/ 500W / 1000W

Size#	Frequency MHz	BW	Insertion loss dB (max)	Isolation dB (min)	VSWR :1	Power Fwd Watts	Power Rev Watts	Temp Range °C	Connector
1	117-119	Full	0.6	20	1.30	2	2	-10 to +50	N-Type
2	118-122	Full	0.7	20	1.20	10	10	-15 to +60	SMA
5	118-137		1.0 0.8	19 25	1.18 1.20	50	50	0 to +50 -20 to +70	SMA or N
3	118-138	Full	0.8	16	1.40	50	20	-10 to +50	N-Type
4	118-138	Full	0.8	16	1.40	100	100	-10 to +50	N-Type
5	118-144		0.9 0.8	20 25	1.25 1.20	50	50	0 to +50 -10 to +60	N-Type
11(C)	118-174	Full	1.2 1.5	15 14	1.5 1.6	100		+25 -10 to +60	SMA
25 (C)	120-130	Full	0.7 0.9	20 18	1.25 1.30	1	1	room -10 to +70	SMA
2	120-180	Full	1.0 1.1	17 16	1.50 1.55	20	20	+25 -20 to 65	SMA, N
2(C)	120-180	Full	1.0 1.2	17 15	1.50 1.60	20	20	room -10 to 60	SMA
24 (I)	120-180	Full	1.2	15	1.50	20	20	-10 to 70	SMA
5	125-150	Full	1.0	17	1.50	100	100	-10 to +50	SMA, N
9(C)	125-190	Full	1.2 1.5	15 14	1.50 1.60	10	10	room -10 to +60	SMA
2	130-170	Full	0.9 1.1	18 16	1.4 1.5	10	10	room -10 to +70	B4
5	134.4-140.5	Full	0.5	20	1.20	100	100	-10 to +50	SMA
20	135-190	Full	0.6 0.8	17 16	1.35 1.40	200	72	+25 0 to +70	N-Type
9	136-174	Full	0.8 1.0	18 16	1.35 1.40	1	1	+25 -10 to +60	SMA
22	136-174	Full	0.8 1.0	18 16	1.35 1.40	20, 30	20, 30	room -10 to +60	SMA
1	138-153	Full	0.9	20	1.25	5	5	-10 to +70	SMA
2	138-174	Full	0.8	20	1.30	2	2	-30 to +50	SMA
23 (I)	140-174 "to be mounted on the heatsink"	Full	0.5 0.7	18 16	1.30 1.40	200	100	+25 -10 to +60	N-Type
13(C)	143-147	Full	0.4	20	1.25	100		0 to +50	N-Type
A1	145-155	Full	0.8 0.9	20 18	1.30 1.35	20	20	25 -20 to 65	SMA
5	148-174	Full	0.8 1.0	20 18	1.25 1.35	100	100	15 to +35 -10 to +60	SMA or N
1	148-174	Full	1.3	14	1.7	35	35	-40 to +85	SMA
18(C)	150-170	Full	0.7 0.9	19 17	1.30 1.40	25	25	room -10 to +70	N-Type
2	150-225	Full	1.0 1.2	17 15	1.5 1.6	2, 30	2, 30	room -10 to +70	SMA
8	150-225*	Full	1.0	16	1.40	500	500	room	N-Type
15	150-225		0.7 1.0	16 15	1.4 1.5	250	250	Room 0 to +50	N-Type
24 (I)	160-174	Full	0.7 0.8	20 18	1.25 1.30		4	room -10 to +70	SMA

RADCorI-100-430M-S(N)-Generic-b Specifications may be subject to change

09/29/11

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Isolator or Circulator 100-430MHz, Split Bands, N or SMA Connectors 1W / 2W / 5W / 10W / 20W / 50W / 100W / 250W/ 500W / 1000W

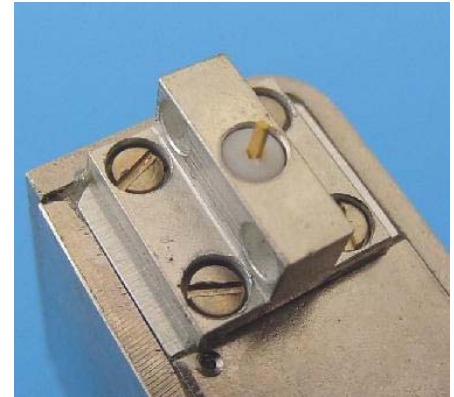
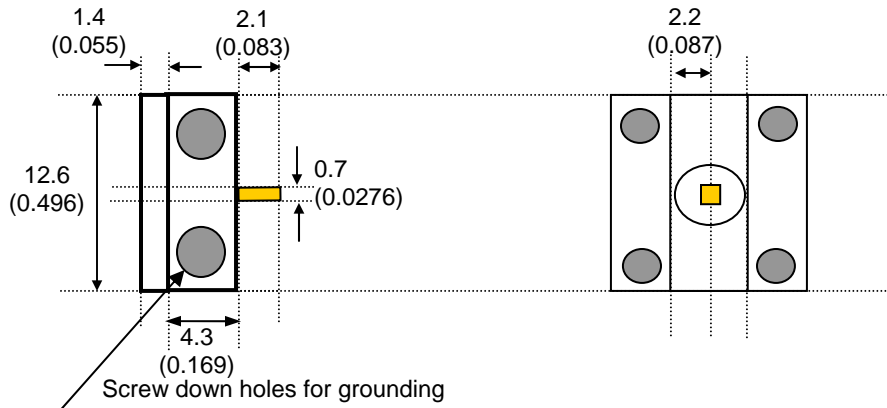
Size#	Frequency MHz	BW	Insertion loss dB (max)	Isolation dB (min)	VSWR :1	Power Fwd Watts	Power Rev Watts	Temp Range °C	Connector
9	170-240	Full	1.0 1.2	17 15	1.5 1.6	20	20	+25 -10 to +70	SMA
2	174-230		0.9 1.0	18 15	1.35 1.50	1	1	+15 to +35 -10 to +60	N-Type
2 (I)	174-230	full	0.9 1.1	18 16	1.3 1.4		10	room -10 to +60	N-Type
22 (C)	174-230	full	0.8 1.0	18 16	1.35 1.40	10	10	+25 -10 to +60	SMA or N
20	180-245	Full	0.6 0.8	17 16	1.35 1.40	200	72	+25 0 to +70	N-Type
18 (I)	190-300	Full	1.2 1.5	15 14	1.50 1.60	10	10	room -1 to +60	SMA
9 (C)	190-300	Full	1.2 1.5	15 14	1.50 1.60	10	10	room -10 to +60	SMA
2	200-250 (I/C)	Full	0.8 1.0	18 16	1.4 1.5	10	10	room -10 to +70	SMA
24 (I)	200-280	Full	1.1	16	1.45	20	20	-10 to +70	SMA
2	200-300	Full	1.0 1.2	17 15	1.50	30	30	+25 -30 to +70	N-type
18	200-300	Full	1.0 1.2	17 15	1.4 1.6	10	10	+25 -10 to +60	N-Type
21	245-330	Full	0.6	17	1.35	200	72	0 to +70	N-Type
17	**310-340	Full	0.4 0.5	20 18	1.25 1.30	5, 10	5, 10	0 to +50 -20	SMA
17	310-340	Full	0.4	20	1.25	200	75	0 to +50	SMA
21	320-430	Full	0.6	17	1.35	200	72	0 to +70	N-Type

*Forced Air Cooling Required.

**Phase of the similar devices at the same temperature is within ±15 degree

Isolator or Circulator 100-430MHz, Split Bands, N or SMA Connectors 1W / 2W / 5W / 10W / 20W / 50W / 100W / 250W/ 500W / 1000W

B4 Connector Option



**Alternative connector option (B4), so unit can be used as a "drop in."
Note the screw down holes must clamp the grounding surfaces together.**