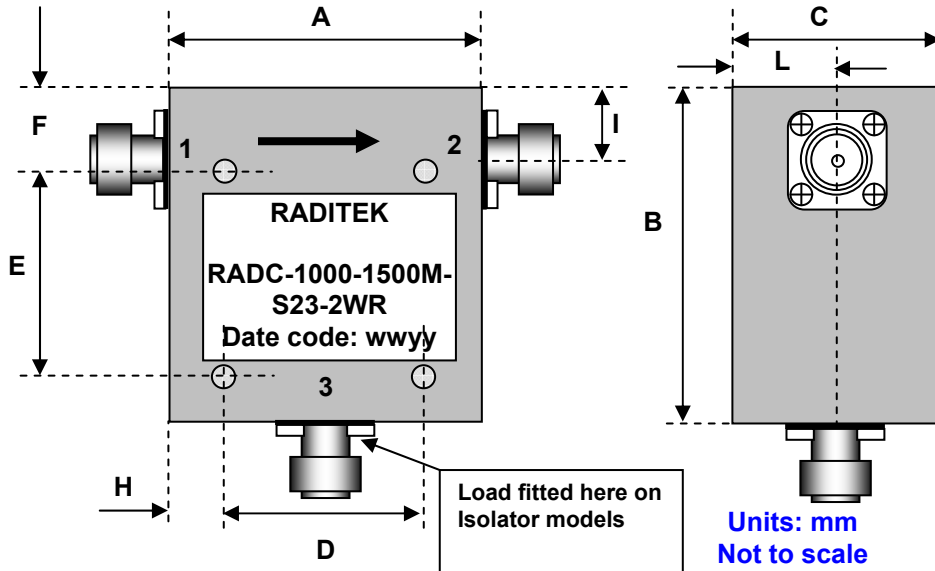
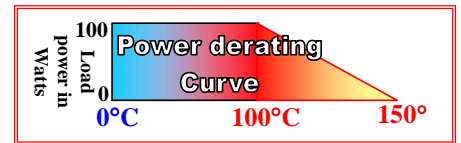


Coaxial Isolator or Circulator, 1.0-3.7GHz, Split Bands N Type or SMA Connector

1 / 2 / 5 / 10 / 30 / 40 / 42 / 50 / 100 / 126 / 250 / 275 / 400Watts



Metric Tolerance (unless otherwise stated):
 Hole diameter +/- 0.1mm
 Dimensions (w*h) +/- 0.3 mm coax in wg unit higher -0.033 // +0
 C +/- 0.1mm +/-0.1mm thickness
 Dimensions (Coax Connector position) +/- 0.3mm
 Dimensions (hole position) +/- 0.1mm
Machined surfaces
 Flatness 0.025/mm
 Bend radius 0.8mm



Direction of RF:	
R	Default ▶
L	◀

N / SMA / 7/16 EIA 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

Order Examples: **RADI-1000-1500M-S23-2WR-b**
I=ISOLATOR / C=CIRCULATOR

Option: r-removable connector

Dimensions:

Size#	A	B	C	D	E	F	H	I	L	
1	78	77	21	tba	tba	tba	tba	tba	tba	mm
2	78.4	77	21.2	tba	tba	tba	tba	tba	tba	mm
3	41.5	42	19	tba	tba	tba	tba	tba	tba	mm
4	35	50	22	tba	tba	tba	tba	tba	tba	mm
5	62	62	22	tba	tba	tba	tba	tba	tba	mm
6	48.5	53.5	20.2	tba	tba	tba	tba	tba	tba	mm
7	62.6	62.6	21	tba	tba	tba	tba	tba	tba	mm
8	45.8	46.2	20.5 Max	37 +/-0.11	31 +/-0.11	10.8	tba	10.8	10.0	mm
9	35	70	26.6	tba	tba	tba	tba	tba	tba	mm
10	32.8	41	19	tba	tba	tba	tba	tba	tba	mm
11	45.6	47.2	20.5	tba	tba	tba	tba	tba	tba	mm
12	60	60	21.5	tba	tba	tba	tba	tba	tba	mm
13	48.5	53.5	22	tba	tba	tba	tba	tba	tba	mm
14	60	60	22	tba	tba	tba	tba	tba	tba	mm
15	48.5	65.9	21	tba	tba	tba	tba	tba	tba	mm
16	35	41	26.6	tba	tba	tba	tba	tba	tba	mm

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Size#	A	B	C	D	E	F	H	I	L	
17	48.5	53.5	20.8	tba	tba	tba	tba	tba	tba	mm
18	64.8	73.4	27.0	tba	tba	tba	tba	tba	tba	mm
19	48.5	53.5	26.0	tba	tba	tba	tba	tba	tba	mm
20	48.8	46.2	20.5	tba	tba	tba	tba	tba	tba	mm
21	62.6	62.6	21.0	tba	tba	tba	tba	tba	tba	mm
22	48.5	53.5	21.0	tba	tba	tba	tba	tba	tba	mm
23	35.4	40.9	26.6	tba	tba	tba	tba	tba	tba	mm
24	35.4	41.0	26.6	tba	tba	tba	tba	tba	tba	mm
25	32.8	33.2	19.0	tba	tba	tba	tba	tba	tba	mm

Specifications:

Size#	Frequency MHz	Insertion loss dB (max)	Isolation dB (min)	VSWR	Power Fwd Watts	Power Rev Watts	Op. Temp °C	Connector
1-Isol/Circ	1000-1500	0.4 1.0	20 15	1.25 1.50	2	2	room 1 to +70	SMA
5-Circ	1000-1500	0.4 1.0	20 15	1.25 1.50	2	2	room 0 to +70	SMA
1-Isol/Circ	1000-1500	0.4 1.0	20 15	1.25 1.50	10	10	room 1 to +70	SMA
7- Isol	1000-1500	0.4	20	1.25	1	1	0 to +50	SMA
6-Circ	1000-1500	0.8 0.9	17 14	1.40 1.55	30	30	room -45 to +85	SMA
11-Circ	1000-1500	0.8	17	1.40	120 2kW Peak		Room	N-type
22-Circ	1000-1500	0.8	15	1.55	100	100	-10 to +50	N-type
2-Isol	1000-1700	0.4 1.0	20 15	1.25 1.50	2	2	room 0 to +70	SMA
2-Isol	1000-2500	0.9 1.2	14 12	1.55:1 1.67:1	1	1	room -10 to +55	SMA
19-Circ	1020-1040	0.25	21	1.20	275 5kW Peak		0 to +50	N-type
24-Circ	1080-1100	0.5	20 min. 22 typ.	1.25:1	5 2kW Peak	20	-40 to +50	N-type
	Environmental: MIL-STD-810 E		Weight: 220g	Duty cycle: 2%, pulse width 17us		Storage: -40 to +70°C		
	Device should be in box with pressure not less than 0.6 normal atmosphere to work correctly at < 10,000 ft							
11-Circ	1100-1400	0.5	18	1.30	110	1	-10 to +60	B4
7-Isol	1100-1650	0.4 0.8	20 15	1.25 1.50	1	1	room 0 to +70	SMA
21-Circ	1100-1690	0.4 0.8	20 16	1.25:1 1.40:1	42		room 0 to +50	SMA
21-Isol	1100-1700	0.4 0.8	20 16	1.25 1.40	5	5	+25 0 to +55	SMA
16-Circ	*1180-1220	0.3	20	1.25	150		-10 to +50	N-Type
24-Circ	*1200-1400	0.4	20	1.25:1	300 CW	120	0 to +50	N-Type
1-Isol/Circ	1200-1600	0.4 0.8	20 15	1.25:1 1.50:1	1	1	room 0 to +50	SMA
2-Isol	1200-2300	0.4 1.0	20 15	1.25 1.50	2	2	room 0 to +70	SMA

Coaxial Isolator or Circulator, 1.0-3.7GHz, Split Bands
N Type or SMA Connector
1/ 2 / 5 / 10 /30 / 40/ 42/ 50 /100/ 126/ 250/ 275/ 400Watts

Size#	Frequency MHz	Insertion loss dB (max)	Isolation dB (min)	VSWR	Power Fwd Watts	Power Rev Watts	Op. Temp °C	Connector
2-Circ	1200-2500	0.6 1.0	17 14	1..35 1.60	40	40	Room 0 to +50	SMA or N
12-Isol	1200-2600	0.9 1.1	16 15	1.4 1.5	10	1	room 0 to +60	SMA
13-Circ	*1260-1520	0.4 0.5	20 18	1.25 1.30	250	40	room -10 to +60	N-Type
13-Circ	*1260-1520	0.4 0.5	20 18	1.25 1.30	400	40	room -10 to +60	N-Type
18-Circ	*1260-1520	0.4 0.5	20 18	1.25 1.30	400	100	room -10 to +60	7/16 EIA
13-Circ	1280-1320	0.5	20	1.20	400	400	-15 to +70	N-Type
8-Circ	1300-2800	0.9 1.3	15 13	1.5 1.6	10		room 0 to +50	N-Type
23-Circ	1350-1850	0.5 0.6	18 17	1.30:1 1.35:1	1	1	room -10 to +70	SMA
8-Circ	1350-1850	0.4 0.8	20 15	1.25 1.50	50		room 0 to +50	SMA
15-Isol	1350-1850	0.8 1.0	16 15	1.40 1.50		50	room -10 to +70	SMA
8-Circ or Isol	**1350-2700	0.5 0.8 0.9	18 17 15	1.30 1.40 1.50	20	10	+25 -30 to +85 -40 to +85	SMA
8-Circ or Isol	1350-2700	0.5 1.0	18 15	1.30:1 1.50:1	20		room -20 to +80	SMA
7-Isol/Circ	1400-2000	0.4 0.6	20 18	1.25 1.30	1	1	room 0 to +65	N-Type
8-Circ	1400-2000	0.4 0.6	20 18	1.25 1.30	50	20	room 0 to +60	SMA
8-Isol	1400-2500	0.4 0.6	20 18	1.25 1.30	0.2	0.2	room -10 to +70	SMA
8-Isol	1400-2700	0.5 0.7	19 18	1.25 1.30	5	5	room 0 to +65	SMA
16-Circ	*1480-1520	0.3	20	1.25	150		-10 to +50	N-Type
4-Isol	1500-1800	0.4 0.5	20 18	1.25 1.30	5	5	room -10 to +70	SMA
8-Isol	1500-2500	1.0	16	1.50:1		2	0 to +50	SMA
8-Isol	1500-2500	0.4 0.8	20 17	1.25 1.35	5	5	room -15 to +70	SMA
8-Circ	1500-3000	0.4 0.6	19 18	1.25 1.30	100	100	room 0 to +60	N-Type
12-Circ	1500-3000	0.5 0.6	18 15	1.30 1.50	200		room -10 to +60	N-Type
14-Iso	1500-3000	0.5 0.9	19 17	1.25 1.35	1	1	room -10 to +70	SMA
20-Isol	1500-3800	1.0 1.2	14 12	1.55 1.67	1	1	room -10 to +60	SMA
17-Circ	1517.5-1772.5	0.4 0.5	20 18	1.25 1.30	250		room -30 to +80	N-Type

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N Type or SMA Connector
1/ 2 / 5 / 10 /30 / 40/ 42/ 50 /100/ 126/ 250/ 275/ 400Watts

Size#	Frequency MHz	Insertion loss dB (max)	Isolation dB (min)	VSWR	Power Fwd Watts	Power Rev Watts	Op. Temp °C	Connector
8-Isol	1600-2600	0.4 0.6	20 17	1.25:1 1.35:1	1	1	+15 to +35 0 to +60	SMA
12-Circ	1600-3200	0.5 0.6	18 15	1.30 1.50	250		room -10 to +60	N-Type
22-Circ	1690-2050	0.7 0.9	17 14	1.35:1 1.60:1	126		room -40 to +70	SMA
24-Circ	1700-2000	0.4	19	1.25:1	100	100	-10 to +50	N-Type
8-Circ	*1700-2500	0.4 0.7	20 18	1.25 1.30	200		room -20 to +70	N-Type
11- Circ	1800-2200	0.35 0.40	19 18	1.25 1.30	100		room -40 to +85	SMA
3- Circ	1800-2100	0.4 0.5	20 18	1.25 1.30	250		room -10 to +50	N
8- Circ	1800-2700	0.4 0.5	20 18	1.25 1.30	100		room -20 to +60	SMA
8- Circ	1800-3000	0.4 0.6	20 18	1.25 1.30	100		room -10 to +50	N, Altitude 20K ft Vibration: 1- 2000Hz, 10g
3- Circ	1900-2300	0.4 0.5	20 18	1.25 1.30	250		room -10 to +50	N
10-Circ	1900-2400	0.4 0.6	20 18	1.25 1.35	30		room -40 to +85	B4
9-Isol	1930-1990	0.4	20	1.25	75	75	0 to +50	N
24-Isol	2200-2400	0.4	21	1.20:1	50	10	-40 to +85	SMA Sine Vibration: 1- 2000Hz, 10g Shock: 150 G 2ms
25-Isol	2300-3300	0.4 0.5	20 18	1.25:1 1.30:1	1	1	+15 to +35 0 to +60	SMA
10-Circ	2400-3700	0.4 0.6	20 18	1.25 1.35	30		room -40 to +85	PIN
16-Circ	*2580-2620	0.3	20	1.25	90		-10 to +50	N-Type
16-Circ	*2580-2620	0.3	20	1.25	250		-10 to +50	N-Type

***To be mounted on the heatsink**

**** Air Cooling**

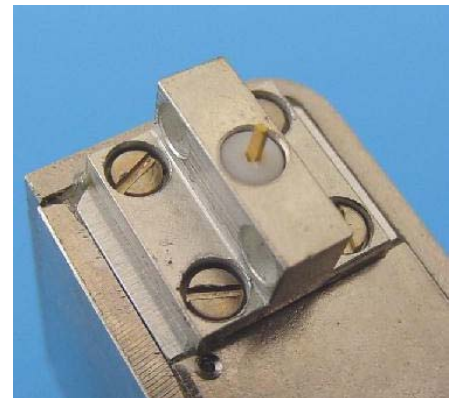
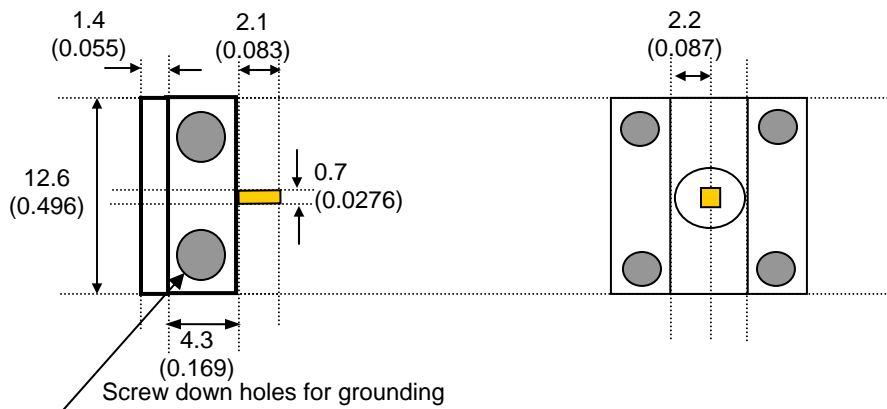
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Pin Interface Option



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.**