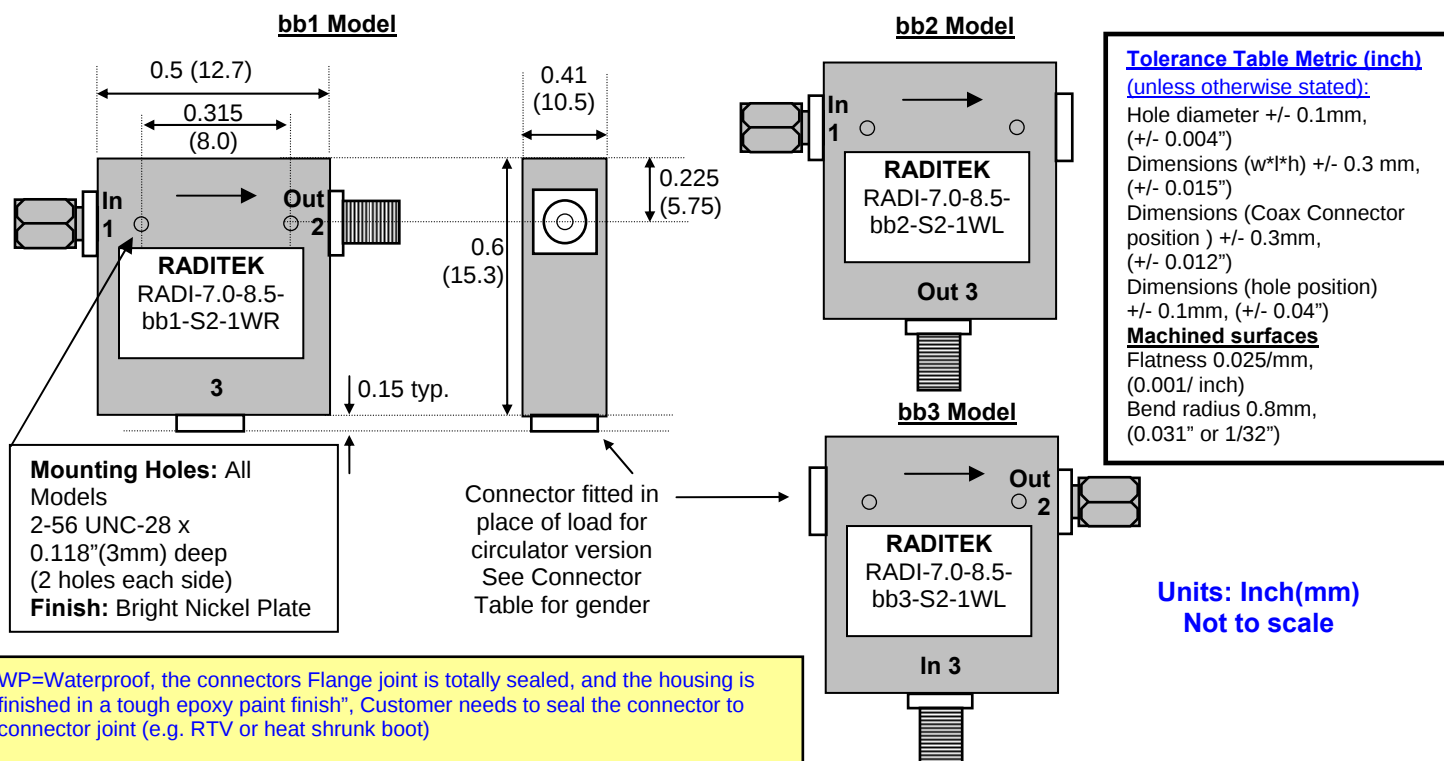


Coaxial Isolator or Circulator, 5.8-31 GHz (10%, 20% Bandwidth) SMA / 3.5 / 2.4/ 2.9(K) Connector, 1-2 Watts (10W Forward) bb Series Models: bb1(180°) / bb2 or bb3(90°) (≤10% Bandwidth is standard, >10% special)



Direction of RF:	
R	Default
L	

Order Examples: RAD**I**-5.8-16-bb1-S3-1WR-**b**
I=ISOLATOR / C=CIRCULATOR

SMA / 3.5 / 2.4/ 2.9(K) 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

Specifications: Freq GHz	BW%	Insertion loss dB (max)	Isolation dB (min)	VSWR :1(max)	Power Fwd Watts(Avg.)	Power Rev Watts(Avg.)	Power Peak Watts (10μsec)	Op. Temp °C	
5.8-6.5	Full	0.4	20	1.25	10	1	50	-30 to +50	
6-18	Full	1.2	12	1.67	5	5	10-20	-40 to +100	
6.534-7.134	Full	0.4	20	1.25	10	1	50	-30 to +50	
6.7-6.9	Full	0.4	22	1.2	10	1	50	-30 to +50	p
6.784-6.884	Full	0.4	20	1.25	10	1	50	-30 to +50	

RADCorl-5.8-31.0-bbx Series-SX-1WR Generic-b

Specifications may be subject to change

04/04/12

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Coaxial Isolator or Circulator, 5.8-31 GHz (10%, 20% Bandwidth) SMA / 3.5 / 2.4/ 2.9(K) Connector, 1-2 Watts (10W Forward) bb Series Models: bb1(180°) / bb2 or bb3(90°) (≤10% Bandwidth is standard, >10% special)

Specifications: Freq GHz	BW%	Insertion loss dB (max)	Isolation dB (min)	VSWR :1(max)	Power Fwd Watts(Avg.)	Power Rev Watts(Avg.)	Power Peak Watts (10μsec)	Op. Temp °C	
6.9-7.8	Full	0.4 0.5	20 18	1.25 1.30	10	1	50	+25 -30 to +70	b
7.035-7.680	Full	0.25	25	1.25	10	1	50	-30 to +50	
7.0-8.5	Full	0.4	20	1.25	10	1	50	-30 to +50	Circ
7.0-8.5 (I)	Full	0.5	18	1.30	1	1	50	-10 to +60	K or 2.4
7.1-7.9	Full	0.35	23	1.15	10	1	50	-30 to +70	Circ
7.1-7.9	Full	0.30	23	1.15	10	1	50	-30 to +70	Iso
7.2-7.8	Full	0.5	20	1.25	1	1		0 to +50	Iso
7.25-7.75	Full	0.4	20	1.25	10	1	50	-30 to +70	b
7.25-8.4	Full	0.8	20	1.25	10	1	50	-30 to +50	
8.0-8.5	Full	0.4	20	1.25	10	1	50	-30 to +70	b
8.0-8.6	Full	0.5	20	1.25	10	1	50	-30 to +70	
8.025-8.400	Full	0.25	25	1.25	10	1	50	-30 to +50	
8.4-10.2	Full	0.5	20	1.25	1	1	50		Circ, p
8.7-10.5	Full	0.5	20	1.25	10	1	50		Iso, p
8.9-10.5	Full	0.5	20	1.25	10	1	50	-40 to +85	
9.0-9.2	Full	0.4	20	1.25	2	2		-30 to +65	b
9.0-9.6	Full	0.4	20	1.25	10	1	50	-54 to +95	
9.1-9.3	Full	0.4	22	1.2	10	1	50	-30 to +50	p
9.35-9.45	Full	0.5	25	1.11	10	1	50	-30 to +70	
9.365-9.69	Full	0.4	22	1.2	1	1		-45 to +85	Vacuum
9.4-9.8	Full	0.4	20	1.25	10	1	50	-30 to +70	b
9.5-10.5	Full	0.4 0.5	20 18	1.25 1.30	1	1		Room -30 to +50	
9.6-10.8	Full	<0.5	>22	<1.25	1	1	NA	10 to +50	RF leakage>- 56
9.75-10.43	Full	0.4	20	1.30	1	1		-30 to +70	Circ
10-11	Full	0.4	20	1.25	10	1	50	-30 to +70	p
10.1-10.7	Full	0.4	20	1.25	10	1	50	-30 to +70	b
10.7-12.75	Full	0.4 0.5	20 18	1.25 1.30	1	1	50	+25 -10 to +70	b
10.7-12.8	Full	0.5	20	1.25	10	1	50	-30 to +70	b
11.15-13.45	Full	1.0	18	1.30	1	1	NA	10 to +50	p
11.4-12.8	Full	0.4	20	1.25	10	1	50	-30 to +70	p
12.0-12.7	Full	0.5	20	1.25	0.3	0.3		-20 to +65	wt.14g
12.0-18.0	Full	0.5	20	1.25	10	1	50	-30 to +70	

RADCorl-5.8-31.0-bbx Series-SX-1WR Generic-b

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Coaxial Isolator or Circulator, 5.8-31 GHz (10%, 20% Bandwidth) SMA / 3.5 / 2.4/ 2.9(K) Connector, 1-2 Watts (10W Forward) bb Series Models: bb1(180°) / bb2 or bb3(90°) (≤10% Bandwidth is standard, >10% special)

Specifications: Freq GHz	BW%	Insertion loss dB (max)	Isolation dB (min)	VSWR :1(max)	Power Fwd Watts(Avg.)	Power Rev Watts(Avg.)	Power Peak Watts (10μsec)	Op. Temp °C	
12.5-15.0	Full	0.4	20	1.20	10	1	50	-30 to +70	p
12.7-13.3	Full	0.3	23	1.15	10	2	50	-30 to +70	SPCL 905522-1
12.7-15.4	Full	0.4	20	1.20	10	1	50	-30 to +70	SPCL
12.85-14.9	Full	0.5	20	1.20	10	1	50	-30 to +70	b
13-16	Full	0.5	20	1.25	10	1	50	-30 to +70	p
13.5-14.5	Full	0.5	20	1.25	10	1	50	-30 to +70	P
13.75-14.0	Full	0.5	20	1.20	10	1	50	-30 to +70	
14.0-14.5	Full	0.4	20	1.25	10	1, 2	50	-30 to +70	p
14.0-15.0	Full	0.4	20	1.20	5	2	50	-30 to +70	p
14-17	Full	0.6	18	1.35	10	2	50	-30 to +70	p
14-18	Full	0.6	18	1.35	10	1	50	-30 to +70	
14.5-15.5	Full	0.5	20	1.30	1	1	50	-30 to +70	b
14.5-16.5	Full	0.5	20	1.25	5	1	50	-30 to +70	b
15-16	Full	0.4	20	1.20	5	2	50	-30 to +70	p
15-17	Full	0.5	19	1.25	5	1	50	-30 to +70	p
15.7-17.7	Full	0.5	19	1.25	5	1	50	-30 to +70	p
15-18	Full	0.6 0.5	18 20	1.30 1.25	10	1	50	-40 to +95 -30 to +70	
16-17	Full	0.6	20	1.25	1	1	50	-30 to +70	
16.65-18.65	Full	0.6	20	1.25	10	1	50	-30 to +70	b
17.15-18.25 (I)	Full	0.6	20	1.30	1	1	50	-30 to +70	b 05/13/08
17.15-18.25 (C)	Full	0.7	18	1.30	1	1	50	-30 to +70	b 05/13/08
17.2-18.1		0.7	18	1.25	1	1	50	-30 to +70	p
17.7-19.7 (I)	Full	0.6	20	1.20	10	1	50	-30 to +70	SPCL
17-21	Full	0.8	17	1.40	1	1	50	-30 to +70	p
17.0-21.2	21.99	0.8	17	1.40	1	1	50	-30 to +70	p
17-22	Full	0.8	17	1.40	1	1	50	-30 to +70	
17-24	Full	0.9	16	1.40	1	1	50	-30 to +70	
18-21 (I)	Full	0.6 0.7	18 17	1.30 1.40	1	1		room -30 to +70	
18-22 (I)	Full	0.5 0.9	20 15	1.22 1.45	10	1, 2	50	-30 to +50 -30 to +70	
18-23	Full	0.9	17	1.45	10	2	50	-30 to +50	
18-26.5	33% Full	0.8 1.0	16 16	1.40 1.50	10	2	50	-30 to +50	
18.1-21.2	Full	0.7	20	1.30	2	1	50	-30 to +50	p

RADCorl-5.8-31.0-bbx Series-SX-1WR Generic-b

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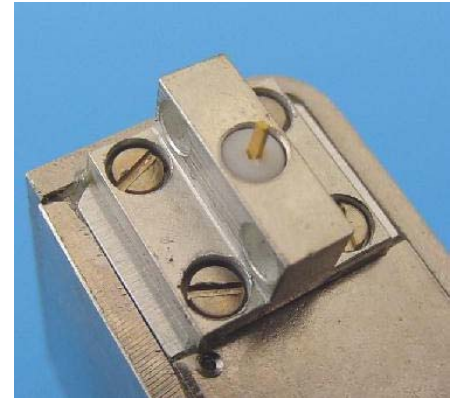
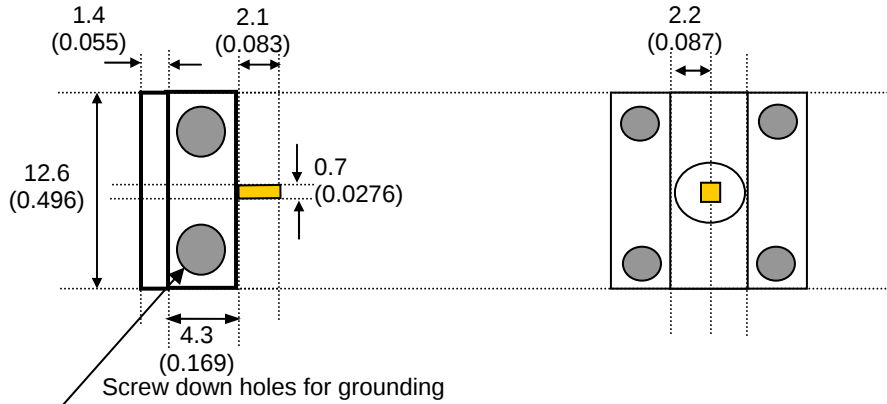
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Coaxial Isolator or Circulator, 5.8-31 GHz (10%, 20% Bandwidth)
SMA / 3.5 / 2.4/ 2.9(K) Connector, 1-2 Watts (10W Forward)
bb Series Models: bb1(180°) / bb2 or bb3(90°)
(≤10% Bandwidth is standard, >10% special)

Specifications: Freq GHz	BW%	Insertion loss dB (max)	Isolation dB (min)	VSWR :1(max)	Power Fwd Watts(Avg.)	Power Rev Watts(Avg.)	Power Peak Watts (10μsec)	Op. Temp °C	
18.4-23.2	Full	0.9	17	1.45	10	2	50	-30 to +50	p
18.60-20.2	8.25	0.7	20	1.30	10	1	50	-30 to +50	p
19-22		0.7	20	1.30	10	1	50	-30 to +50	p
19.7-21.7	Full	0.7	20	1.30	10	1	50	-30 to +50	
19.8-21.7	Full	0.6	20	1.25	10	1	50	-30 to +70	b
20-21	4.88	0.7	21	1.25	1	1	50	-30 to +70	p
20-22	Full	0.7	20	1.25	1	1		-30 to +70	p
20-26.5	Full	1.0	16	1.45	10	1	50	-54 to +95	
20.2-21.2 (I)	Full	0.8	22	1.30	1	1	50	-10 to +60	K or 2.4
20.5-22.5 (I)	Full	0.7	21	1.25	1	1	50	-30 to +70	b
21-23	Full	0.8	20	1.30	10	1	50	-30 to +50	
21.3-22.0		0.8	20	1.25	10	1	50	-30 to +50	p
21.2-23.6 (I)	Full	0.5	20	1.20	10	1	50	-30 to +50	SPCL
22-27	Full	0.9	18	1.40	2	3	50	-30 to +70	
22.55-23.15	Full	0.5	20	1.20	2	1	50	-30 to +50	p
23-25	Full	0.8	20	1.30	10	1	50	-30 to +50	p
23-25	Full	0.6	20	1.25	1	1		-30 to +70	b
23-26	Full	0.8	20	1.30	10	1	50	-10 to +50	
23.0-26.2	Full	<1.0	>18	<1.40	1	1	NA	10 to +50	RF leakage>-56
23.0-26.4	Full	0.8	20	1.30	10	1	50	-10 to +50	
23.93-24.08	Full	0.8	20	1.30	10	1	50	-30 to +70	
24.0-24.2	Full	0.8	21	1.30	10	1	50	-30 to +50	
24.0-24.5	Full	0.8	21	1.30	10	1	50	-30 to +50	
25.25-27.40	Full	1.3	20	1.40	1	1		-30 to +70	Circ, K
25.5-29.5	Full	0.8	16	1.40	10	1	50	-30 to +50	
30-31 (I)	Full	1.1	20	1.35	1	1	50	-10 to +60	K or 2.4

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SMA / 3.5 / 2.4/ 2.9(K) Connector, 1-2 Watts (10W Forward)
bb Series Models: bb1(180°) / bb2 or bb3(90°)
(≤10% Bandwidth is standard, >10% special)

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.