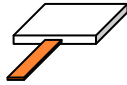




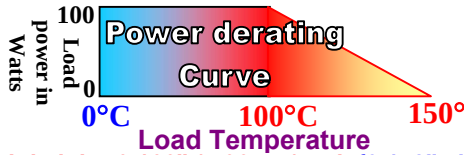
de isolator +
Attenuator

Samarium side (SS)
Magnets
Attenuator load option
20dB or 30 dB 100W

Optional Monitor tabs
are ~ 0.150" long
typically.



RI-SS-de/dd isolator RC-SS-dd circulator



Circuit Tab height: 0.166" (4.06mm) std. {0.142" slim}
Overall height: 0.26 (6.6mm) (incl. magnet). Max std { 0.24" slim}
Flange Thickness: 0.150" (3.81mm). std , {0.125" slim}
Mounting holes Ø: 0.116" (2.95mm)
Mounting screws recommended are either 2-56 or M2.5 Socket

660MHz to 2.2GHz

Standard Specification examples:

Frequency MHz F1-F2	Insertion Loss dB Max.	Isolation Minimum dB	Return Loss dB	VSWR All ports
820-850	0.3	22	21	1.19:1
860-900	0.25	22	21	1.19:1
869-894	0.25	22	21	1.19:1
935-960	0.25	22	22	1.17:1
1930-1990	0.5	24	23	1.15:1

Circuit tab details:

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

Size	de	dd	dd
ID:	RI	RI	RC
	Iso.	Iso.	Circ.
P rev	110/ 100W	10W /20W	200W

Order Examples: RI-SS-F1-F2-de-110WR
I=ISOLATOR / C=CIRCULATOR

Direction of RF:	
R	Default ▶
L	◀

General specifications:

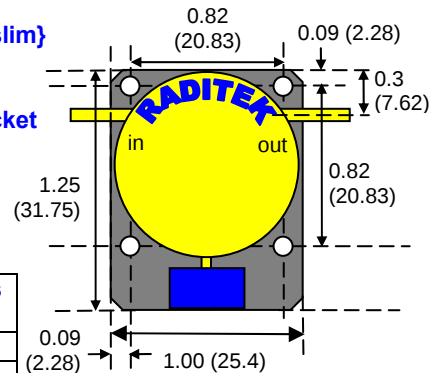
Max. Fwd power:	250 Watts	Average
Max. Rev power(avg): (Load rating)	25 /110 / 150 / 200W load 100W attenuator 10 / 30W (option)	Assumes infinite heat sink Load temp to be kept < 90°C
Forward Peak Power	>1KW	into a non short circuit load
Passband ripple	0.05 dB	Pk-Pk
Operating temp.	-20°C to 85°C	-54°C to 110°C storage

Specification Options:

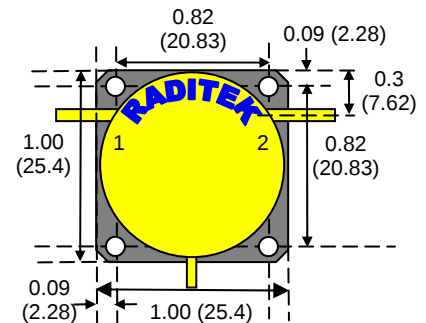
Attenuator type	-A20; -A30	20 dB or 30 dB 100W Rating
Phase Matching	-PM	+/- 5 degrees of gold standard
Surface mount	-S	Tab is level with base, add 0.10dB to IL
Low Loss	-M	See specs for availability
Special	-Z	Tab ht. is 62 mils (1.58 mm)
Tab left or right, de model (800- 900MHz) only	-TABL(R)	Monitor tab (L or R of Load)
Low Intermodulation.	-H	-63dBc with two 50W tones , 5MHz apart



dd circulator



de Isolator 110W load
or 100W w/Attenuator

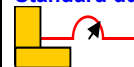


dd Circulator or 10 / 20W isolator
Units: Inch(mm)

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

Circuit Tabs can be bent flush with base
for surface mounting "option S"

Standard dd/de strain relief.



20 mil ±10 mil radius
(0.5±0.25mm)

Machined surface: 63√
Housings are made from
Steel & Aluminum, Magnetically shielded,
Nickel or Silver plated.

See the -U models for very best IMD performance.

Additional Specs for d models

Frequency MHz	BW %	Insertion Loss dB Max.	Isolation (min) dB	Return Loss dB	VSWR All ports	Full band full temp range, unless specified	
660-710		0.8	20	19	1.25:1		50M Bandwidth
665-735		0.8	20	19	1.25:1		0.85/19/19 SMT
684-746	8.7	0.8	23	19	1.25:1		0.4/23/19 at RT
695-705		0.5	23	20	1.22:1		
698-787		0.5	20	18	1.28:1		0.55/19/19 SMT
700-790		0.5	19	19	1.25:1		TT
700-800		0.5	19	19	1.25:1		p 0.6/18/18 at -40 to 60C (-LT model)
700-900	25	0.75	12	12	1.67:1		p
700-930		0.75	10	10	1.92:1		@ RT 0.7/13/13
700-950		0.64	9	10	1.92:1		-S
700-960	31	0.64	9	10	1.92:1		p
710-730		0.25	22	21	1.19:1		0.3/21/20 SMT
710-745		0.35	21	19	1.25:1		
728-758		0.35	21	19	1.25:1		p
728-768		0.40	22	21	1.19:1		p
729-756	3.64	0.35	21	19	1.25:1		p, 0.45/21/19 SMT
740-746		0.25	22	21	1.19:1		
746-756	1.33	0.25	22	21	1.19:1		p, 0.35/22/21 SMT
747-767		0.25	22	21	1.19:1		
755-805		0.4	22	21	1.19:1		0.45/21/21 SMT
760-780		0.28	22	22	1.17:1		mt 6-2-09
760-810		0.45	21	20	1.22:1		p
780-830		0.4	22	21	1.19:1		
780-862		0.45	21	21	1.19:1		0.4dB typical
790-810		0.25	22	22	1.17:1		
790-880		0.45	21	21	1.19:1		
790-960		0.5	22	20	1.22:1		
794-825		0.28	22	22			
800-810		0.25	22	22	1.17:1		p
800-850		0.4	21.5	21.5			Conf d 2-3-05
800-900		0.4	21	21	1.19:1		0.45/20/20 SMT
800-1000		0.5	15	15	1.43:1	-30 to +85C	p
800-1000 (-10w)		0.5	15	15	1.43:1	-40 to +85C	RI-SS-800-1000M-dd-10WL (SCD 70105-001-r1)
800-1000 (-200w)		0.5	15	15	1.43:1	-40 to +85C	RC-SS-800-1000M-dd-200WR (SCD 70104-001-r1)
806-870		0.3	21	21	1.19:1		
810-915	12.96	0.45	18	18	1.28:1	-20 to 85C	0.3/20/1.20 @ RT
811-821		0.28	25	25			
815-925		0.4	20	20	1.22:1		
820-840		0.25	22	23	1.15:1	0-50C	
820-850 -con		0.25	22	23	1.15:1	0-65C	Tab 0.07Lx.025W
824-849		0.3	23	23	1.15:1		3-30-05 with Y13-0025
825-835		0.25	22	21	1.19:1		
825-880	65M	0.3	21	21	1.19:1		
830-845	15M	0.25	22	21	1.19:1		p
830-872		0.3	20	18	1.28:1		
840-900		0.3	22	22	1.17:1		

RI, RC-SS-d-Models-sj

Specifications may be subject to change

06/21/13

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Frequency MHz	BW %	Insertion Loss dB Max.	Isolation (min) dB	Return Loss dB	VSWR All ports	Full band full temp range, unless specified	
846-876		0.25	23	20.8	1.20:1		
850-866		0.25	24	24			
850-870		0.25	23	22			
850-880		0.25	22	21	1.19:1		
850-900		0.30	20	21	1.19:1		
850-920		0.4	19	19	1.25:1		
850-940	90M	0.5	18	18	1.28:1		
850-960	110M	0.5	18	18	1.28:1	tbc	p
851-866		0.25	22	22	1.17:1		
851-894		0.25	22	22	1.17:1		
855-900		0.25	23	21	1.19:1		Op. Temp.-30 to +60
856-866		0.2	24	24			
859-904		0.25	23	20.8	1.20:1		
860-900		0.25	22	21	1.19:1		
860-904		0.30	22	21	1.19:1		
860-872		0.25	23	23	1.15:1		
860-875		0.25	23	23	1.15:1		p
860-915		0.30	22	21	1.19:1		
860-930	70M	0.3	22	22	1.17:1	RFID	
860-940	80M	0.35	20	20	1.22:1		
860-950	90M	0.35	20	20	1.22:1		
860-960	100M	0.4	19	19	1.25:1		
864-868		0.25	30	25	1.12:1	RFID	tbc 2-7-05
865-868	3M	0.20	30	25	1.12:1		
865-900		0.35	22	20	1.22:1	0 to 85C	
867-869		0.25	30	25	1.12:1		
869-894	25M	0.25	23	21	1.19:1		-M (opt) 0.20dB IL Typical
869-960	91M	0.25	23	23	1.15:1	dc 8-30-07	(-s 0.3/23/23)
869-960	91M	0.30	20	20	1.22:1	dc 8-30-07	Model H1 optimized for Low IMD -68 to -70dBc
869-1000	136 M	0.45	18	18	1.30:1		
870-880		0.25	22	22	1.17:1		
876-960	84M	0.30	20	20	1.22:1		
880-894		0.25	22	22	1.17:1		
880-915		0.4	20	20	1.22:1		
880-915		0.5	15	15			-40 to +65°C
880-920		0.25	22	22	1.17:1		t
880-960		0.35	20.5	21	1.19:1		-s (0.4 IL) ok 5-10-04
882-892	10M	0.25	22	22	1.17:1		
885-915	30M	0.25	23	21	1.19:1		
885-920		0.25	22	21	1.19:1		
889-916	27M	0.3	22	23	1.15:1		p
890-960		0.30	22	21	1.19:1		
895-905	10M	0.25	22	22	1.17:1		
895-935		0.30	22	21	1.19:1		
900-905	5M	0.25	22	22	1.17:1		p
900-925		0.25	22	21	1.19:1		
900-930		0.25	22	21	1.19:1		
900-930		0.3	21	20	1.22:1		-40 to 60C (-LT model)
900-950		0.40	20	21	1.19:1		

RI, RC-SS-d-Models-sj

Specifications may be subject to change

06/21/13

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Frequency MHz	BW %	Insertion Loss dB Max.	Isolation (min) dB	Return Loss dB	VSWR All ports	Full band full temp range, unless specified	
900-960		0.40	20	21	1.19:1		
900-980	80M	0.4	20	20	1.22:1	RFID	
900-980		0.40	20	21	1.19:1	-15 to +90C	
902.0-907.5	5.5M	0.25	22	22	1.17:1	ISM band	p
902-928		0.3	22	22	1.17:1	ISM band	* 0.40/20/20 for SMT Versions (p)
902-930	28M	0.3	23	22	1.17:1		p
905-925		0.3	22	22	1.17:1		* 0.35/21/21 for SMT Versions
905-935		0.3	21	21	1.19:1		* 0.40/20/20 for SMT Versions
910-920	20M	0.22	28	27	1.09:1		SO 8128 Circ dc 5-21-08
910-970	60M	0.3	21	21	1.19:1		
911-946		0.35	21	21	1.19:1	full	
914-916		0.25	30	25	1.12:1	RFID	tbc 2-7-05
915-960		0.3	21	21	1.19:1		0.3/20/20 for SMT version
920-960	40M	0.3	21	21	1.19:1		0.35/20/20 for SMT version
920-965		0.3	21	21	1.19:1		
921-960	39M	0.3	22	22	1.17:1		* 0.35/21/21 for SMT Versions
925-960		0.3	21	21	1.19:1		dc 5-4-07
925-960		0.4	22	21	1.19:1		-40 to +65°C
925-965		0.3	22	22	1.17:1		
928-929		0.25	24	24	1.19:1		
930-960		0.25	24	23	1.15:1		
935-940		0.23	22	22	1.17:1		
935-960	25M	0.25	22	22	1.17:1		(-M 0.2dB IL (0.15dB typical) 4/22/04)
947-960		0.25	22	22	1.17:1		
950-953		0.25	30	25	1.12:1	RFID	ok 2-7-05
950-1000		0.3	21	21	1.19:1		Ok mt 3/10/08
960-1000		0.3	21	21	1.19:1		Ok mt 3/10/08
950-1100		0.6	18	18	1.30:1		
950-1115		0.5	18	15	1.40:1		
950-1230		0.6	16	14	1.50:1		0 to 50C To meet cust request (e)
950-1250	300M	0.6	16	14	1.50:1		-30 to 85C, confirmed 9-30-05
950-1260	310M	0.6	16	14	1.50:1		p
950-1280	330M	0.8	16	14	1.50:1		(-S, to be developed, Provisional 1.0/15/13)
950-1300	350M	0.9	14	14	1.50:1		
950-1400		1.2	12	12	1.67:1		
950-1450	500M	1.2	12	12	1.67:1		0-50C
960-1206	31.6	0.7	16	16	1.38:1		
960-1215		0.6	16	16	1.38:1	At -20 to 85C	SMT 0.7/15/15
960-1220	260M	0.6	16	16	1.38:1	@-40 to +70	
960-1240		0.6	16	14	1.35:1		
960-1240 -2h		0.6	16	14	1.35:1		second harmonic -20dBc
960-1260	300M	0.6	16	14	1.50:1		p
960-1450	400M	1.0	13	13	1.60:1	tbc	
960-1450		0.6	16	14	1.35:1		
978.5-1081.5		0.3	21	21	1.19:1		
978-1082		0.3	21	21	1.19:1		
978-1092		0.5	20	19	1.25:1		
980-1055		0.3	21	21	1.19:1		p

Frequency MHz	BW %	Insertion Loss dB Max.	Isolation (min) dB	Return Loss dB	VSWR All ports	Full band full temp range, unless specified	
980-1200	20.18	0.6	16	14 was 15		-40 to +85C	dc 5/18/09
990-1010	2%	0.25	22	21	1.19:1		p
1000-1060	60M	0.5	20	19	1.25:1		p
1000-1100		0.5	20	19	1.25:1		
1000-1200		0.5	16	16		rt	De 7/25/08 SMT 0.6/16/16
1000-1300		0.6	16	14	1.30:1		cmi
1000-1600*		0.5	20	19	1.25:1	(S) 12-3-02	* 200M BW
1010-1090		0.5	18	16	1.40:1	-40 to 85C	
1010-1119		0.5	20	19	1.25:1		
1020-1040		0.3	20	21	1.19:1		
1020-1110		0.5	18	16	1.40:1	-40 to 85C	
1020-1250		0.6	16	16	1.38:1		
1024-1036		0.3	20	21	1.19:1		
1025-1035		0.3	20	21	1.19:1		p
1025-1150		0.4	18	15	1.34:1	-30 to 85C	
1030-1090	60M	0.5	18	16	1.40:1	-20 to 85C	
1034-1145		0.5	20	19	1.25:1		
1050-1070		0.3	21	21	1.19:1		P 10-24-07
1055-1065		0.5	20	19	1.25:1	-55 to +95	
1080-1100		0.5	20	19	1.25:1		
1085-1095		0.5	20	19	1.25:1	-55 to +95	p
1100-1200		0.5	22	19	1.25:1	0 to 40°C	p
1100-1400		0.6 0.55	15 17	14 14	1.30:1 1.30:1	room temp 85C	so 9852 11/18/10
1100-1220		0.5	22	19	1.25:1	0 to 40°C	
1105-1155		0.30	21	21	1.19:1		p
1117-1143		0.25	22	21	1.19:1		p
1125-1375	20%	0.5	20	18	1.30:1		p, 40W Pk with 22μs pulse width /5% duty
1150-1300		0.4	19	19	1.25:1		
1160-1180	1.71	0.25	22	21	1.19:1		p
1155-1185		0.3	21	21	1.19:1		p
1175-1225		0.30	21	21	1.19:1		
1140-1260		0.5	22	19	1.25:1	0 to 40°C	
1180-1420	18.46%	0.5	18	18	1.30:1	To be confirmed	Wide band, 0 to +40°C
1200-1250		0.3	21	21	1.19:1		
1200-1400		0.5	20	21	1.19:1	std	Conf dc 8-18-08
1200-1400 -S		0.65	20	20	1.20:1	-40 to +70	-s
1200-1400 -M		0.35	20	20	1.20:1	-10 to +75°C	-M version
1200-1400 -AMS		0.5	17	19	1.25:1		-AMS
1200-1400-SP1		0.5 0.6	20 19	20 18	1.20:1 1.30:1	0 to 85C -50 to 0C	-SP1 (for e)
1200-1415		0.45	19	19	1.25:1		-30 to +75
1200-1600	28.57%	0.6	18	18	1.30:1	To be confirmed	0.8/10/10 customer spec (3-16-05)
1210-1620		0.6	18	18	1.50:1	To be confirmed	

Frequency MHz	BW %	Insertion Loss dB Max.	Isolation (min) dB	Return Loss dB	VSWR All ports	Full band full temp range, unless specified	
1225-1275		0.30	20	20	1.22:1		p
1240-1300		0.30	20	20	1.22:1		
1240-1320		0.35	20	20	1.22:1		
1240-1385	145M	0.4	20	20	1.20:1		0.5/18/18 @ -40 to -20C
1250-1350		0.30	20	20	1.22:1		
1250-1400	150M	0.4	20	20	1.20:1		
1260-1300		0.3	20	19	1.25:1		-Ball minimum Return Loss @1575MHz
1263-1273	10M	0.3	20	19	1.25:1		@-20 to +70C, p
1265-1295		0.3	20	19	1.25:1		-Ball minimum Return Loss @1380MHz
1290-1310		0.3	20	19	1.25:1		p
1295-1345		0.25	20	20	1.22:1		p
1300-1400		0.35	20	20	1.22:1		
1300-1500		0.4	20	19	1.25:1		0.25/20/19 on test 1/16/06
1300-1600		0.55	18	18	1.30:1		p
1300-1700	26.67	0.8	14	15	1.43:1		p
1310-1410		0.35	20	20	1.22:1		p
1350-1400		0.25	20	20	1.22:1		
1350-1450		0.35	20	19	1.25:1	(-M is 0.32)	Special (0.25dB @ Room Temp)
1350-1525		0.35	20	19	1.25:1		0.35/20/20 @ -10 to +50 °C
1350-1550		0.4	20	19	1.25:1		
1350-1850	31.25	0.8	14	14	1.50:1	-30 to 70°C	dc 2/9/2011 so 10,008
1365-1395		0.35	20	19	1.25:1		-Ball minimum Return Loss @0-1280MHz and 1575MHz
1393-1433		0.35	20	19	1.25:1		
1400-1500		0.35	21	20	1.21:1		
1400-1550	10.17%	0.4	20	19	1.25:1		p
1400-1600		0.4	20	19	1.25:1	-40 to 85°C	.4.5 / 20 / 1.25 @ -55-85C
1400-1650		0.4	22	19	1.25:1	-30 to 70°C	dc 2/9/2011 so 10,008
1400-2000	35% WB	0.95	10.8	10.1		RT	.1.6 / 8.5 / 83 @ 85C
1420-1550		0.35	21	21	1.19:1		
1420-1560		0.35	21	21	1.19:1		
1420-1620-SP1		0.40	20	20	1.22:1	-40 to 85C e	0.5/19/1.3 @ -50 to -20°C
1450-1500		0.35	21	21	1.19:1		
1425-1525		0.3	21	21	1.19:1		
1429-1487		0.25	22	21	1.19:1		
1435-1525		0.35	20	19	1.25:1	(-M is 0.32)	Special (0.25dB @ Room Temp)
1450-1550		0.3	21	21	1.19:1		
1495.9-1510.9	1% (15MHz)	0.25	22	21	1.19:1		p
1500-1600		0.3	20	20	1.22:1		
1500-1620		0.3	20	20	1.22:1		p
1500-1700		0.4	19	20	1.22:1		C – tbc 010906
1500-2000		0.8	14	14	1.50:1	-20 to 60C	0.8/12.5/12.5 @ 70C
1518-1675		0.45	21	21	1.19:1		
1522-1661		0.4	22	22	1.17:1		
1525-1661		0.4	22	22	1.17:1		0.55/21/22 (s) 9-17-06 mt
1550-1600	3.17%	0.4	22	22	1.17:1	-40 C	-Ball minimum Return Loss @0-1380MHz

Frequency MHz	BW %	Insertion Loss dB Max.	Isolation (min) dB	Return Loss dB	VSWR All ports	Full band full temp range, unless specified	
1550-1610	3.8%	0.4	22	22	1.17:1		
1550-1650	6.25%	0.5	19	20	1.22:1		
1550-1660		0.5	19	20	1.22:1		
1550-1750		0.4	19	20	1.22:1		
1550-1750		0.5	18	19		(s) 3/22/05	
1555-1595		0.3	21	20	1.22:1		p
1561-1602	41M	0.3	22	22	1.22:1		@-20 to +70C, p
1575-1620	2.82%	0.3	21	20	1.22:1		
1585-1770	11.03%	0.4	18	18	1.30:1	5/05/05 (br)	
1600-1660		0.3	22	21	1.19:1		0.3/25/1.19 @ room temp
1600-1750		0.4	20	20	1.22:1		
1600-1800		0.4	20	20	1.22:1		(S) 12-3-02, 0.45/20/20 for SMT
1610-1626		0.3	23	20	1.22:1	p	
1610-1626.5		0.3	23	20	1.22:1		0.4/22/19 for SMT
1616-1626.5		0.3	23	20	1.22:1		0.4/22/19 for SMT
1624-1662		0.3	23	18	1.30:1		
1626-1661		0.3	23	18	1.30:1		
1626.5-1660.5		0.3	23	22	1.17:1		p
1650-1700		0.3	22	21	1.19:1		0.3/25/1.19 @ room temp
1650-1750		0.4	21	20	1.22:1		
1650-1850		0.4	20	19	1.25:1		
1700-1820		0.4	20	20	1.22:1		
1700-1900		0.4	20	20	1.22:1		
1700-1950		0.4	20	20	1.22:1		
1700-2100	400M	0.5	17	17	1.32:1	tbc	p
1710-1730		0.3	24	21	1.19:1		
1710-1880		0.4	20	20	1.22:1		
1710-1855		0.35	20	20	1.22:1		
1710-2170	460M	0.5	17	17	1.32:1	tbc	p
1740-1860		0.3	23	22	1.17:1		mt 3-3-08
1750-1850		0.4	20	20	1.22:1		
1770-1830		0.3	24	21	1.19:1		
1785-1805		0.3	24	21	1.19:1		
1800-1830		0.3	21	20.8	1.20:1		p
1800-1880		0.25	24	23	1.15:1		
1800-1885		0.25	24	23	1.15:1		Malcolm 8-20-07
1800-1900		0.3	21	21	1.19:1		
1800-2000		0.4	20	20	1.22:1		
1800-2170		0.4	19	19	1.25:1		
1800-2200	400M	0.4	17	17	1.32:1		Verified 10-10-04 mt, 0.5/18/17 for SMT
1805-1825		0.3	24	21	1.19:1		
1805-1880	4.0	0.3	22	21	1.19:1		
1830-1880		0.3	22	21	1.19:1		
1850-1910	3.2	0.3	24	21	1.19:1		
1850-1915		0.4	20	19	1.25:1		SMT
1850-1880		0.3	22	21	1.19:1		
1850-1990		0.35	20	19	1.25:1		
1850-1995		0.38	19.5	19	1.25:1		

Frequency MHz	BW %	Insertion Loss dB Max.	Isolation (min) dB	Return Loss dB	VSWR All ports	Full band full temp range, unless specified	
1850-2050		0.4	19	19	1.25:1		
1850-2100		0.4	19	19	1.25:1		
1893-1920		0.3	22	21	1.19:1		
1900-2200	14.6%	0.4	18	17.7	1.30:1	p	Wide band, 0 to +45°C
1900-2200		0.4	20	20	1.22:1	To be confirmed	0.5/20/20 for SMT version Wide band, 0 to +40°C
1900-2300	19.07%	0.5	19.1	19.1	1.25:1	To be confirmed	Wide band, 0 to +40°C
1920-1980		0.29	22	21	1.19:1		SMT 0.4/22/19
1920-2170		0.5	20	20	1.22:1		
1920-2000		0.35	21	21	1.19:1		
1920-2200		0.5	20	20	1.22:1		See D4 dated 2-3-03
1930-1990	3.1	0.25	24	23	1.15:1		MRL8-20-07
1930-1995	3.15M	0.29	23	21	1.19:1		SMT 0.4/21/19
1930-2000	70M	0.35	21	21	1.19:1		p

Frequency GHz	BW %	Insertion Loss dB Max.	Isolation (min) dB	Return Loss dB	VSWR All ports	Full band full temp range, unless specified	
2.010-2.025		0.3	22	21	1.19:1		
2.07-2.21	0.5	0.4	22	21	1.19:1		
2.09-2.10	0.5	0.3	22	21	1.19:1		
2.10-2.17	3.3	0.2	24	21	1.19:1	-M	loss typically <0.15dB (spec)
2.10-2.17	3.3	0.29	22	21	1.19:1	Standard	
2.10-2.20	3.3	0.3	23	21	1.19:1		
2.11-2.17	3.3	0.25	24	21	1.19:1		SMT 0.35/21/20

Additional Tab Options:

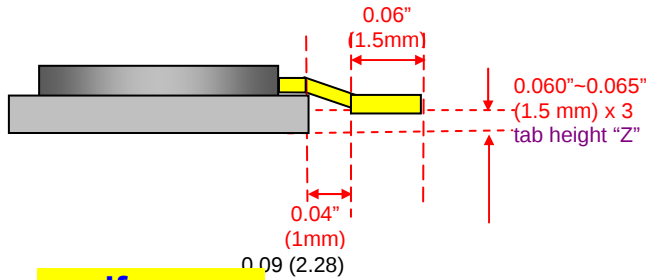
option	Tab above base +/-0.010"	Distance Tab vertical from unit +/-0.005"	Length Flat soldering part of Tab +/-0.005"	Overall tab protrusion from carrier (max)	Tab clearance above channel (Min)	Perpendicular
-S	0.00 (level)	0.040"	0.045"	0.1"		
-Z	0.060"(1.53mm)	0.040" (1.0mm)	0.06"	0.1"	0.06"	Slopes see page 3
-Y	0.035" (0.9mm)	0.040"	0.045"	0.1"		

leads can be bent + or – 10 mils without affecting performance in any way

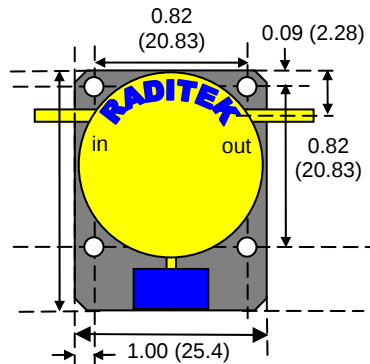
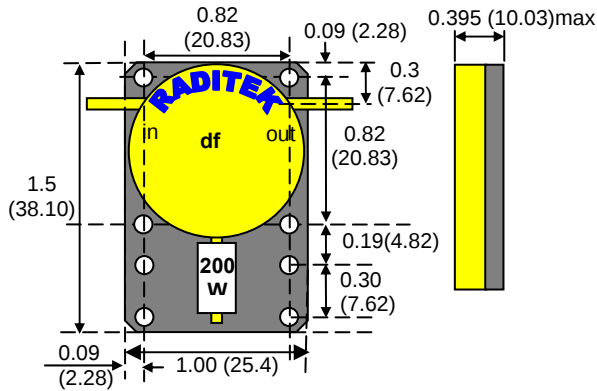
-Z Model Tab Detail

(formerly -X)

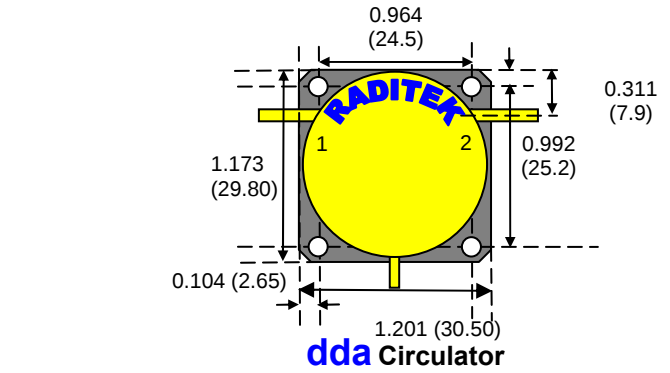
Tab details:



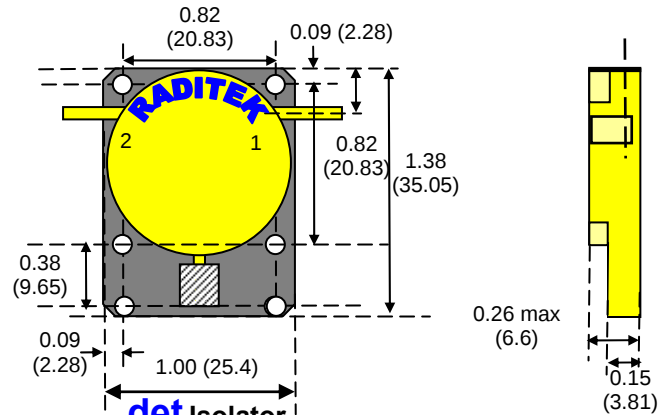
df Model **200W Isolator**



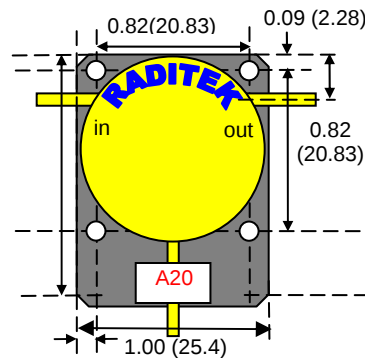
de Isolator 110W load



dda Circulator



det Isolator (200W/load shown), (Future development)



de Isolator 100W A20 (20dB) or A30 (30dB) Attenuator