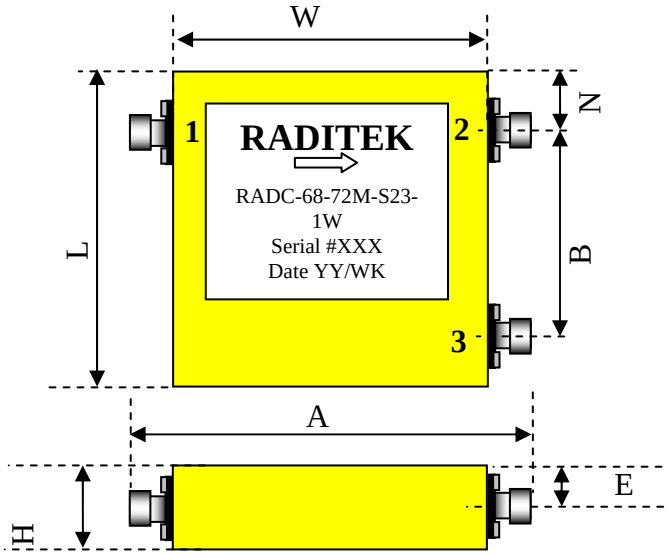
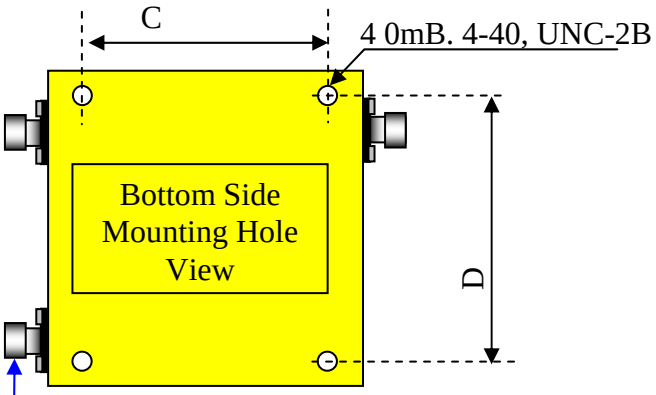
ROHS Compliant

RADITEK INC.

code-b

Isolator or Circulator 87-138MHz with N-Type or SMA Connectors
2W / 5W / 10W / 20W / 50W / 100W / 200W / 500W





Tolerance (unless stated otherwise):

Hole diameter	±0.004
Dimenesions	±0.015
Machined surfaces	63√
Flatness	±0.001/inch
Bend radius	1/32 inch

Load Fitted Here on Isolator Models.
Internal 1-20W
External: > 20W

SMA / N-Type 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

Direction of RF:	
R	Default →
L	←

Units: mm
Not to Scale

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

Size#	W	L	H	N	A	B	C	D	E	
1	68	66	25	10	101.8	45	51+/-0.11	54+/-0.11	12.5	mm
2	69	67	25	10.5	tbc	tbc	51+/-0.11	54+/-0.11	12.5	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

Size #	Specifications: Frequency MHz	BW	Insertion loss dB (max)	Isolation dB (min)	VSWR :1	Power Fwd Watts	Power Rev Watts	Temp Range °C	Connector
3	87-109	Full	0.8	18	1.40	50	20	-10 to +50	SMA
1	88-108	Full	1.0	17	1.40	2	2	10 to +40	SMA or N
1	88-108	Full	1.0	16	1.40	20	20	-10 to +60	SMA or N
3	88-108	Full	1.0	16	1.40	50	50	-10 to +60	SMA or N
3	88-108	Full	0.8	16	1.40	50	20	-10 to +50	SMA or N
4	88-108	Full	1.0	16	1.40	100	100	-10 to +60	SMA or N
5	88-108	Full	1.2	15	1.60	150	75	-10 to +60	N-Type

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Size #	Specifications: Frequency MHz	BW	Insertion loss dB (max)	Isolation dB (min)	VSWR :1	Power Fwd Watts	Power Rev Watts	Temp Range °C	Connector
5	88-108	Full	0.9	17	1.35	200	200	-10 to +40	N-Type
6	88-108	Full	0.4	20	1.25	500	500	-10 to +40	N-Type
3	88-108	2-3%	0.7 1.0	20 12	1.20 1.40	50	50	-10 to +40 -30 to +60	N-Type
4	88-108	2-3%	0.7 1.0	20 12	1.20 1.40	100	100	-10 to +40 -30 to +60	N-Type
2	88-119	Full	1.5	15	1.50	5	5	-10 to +50	N-Type
2	88-138	Full	1.1	16	1.45	10	10	0 to +50	SMA

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