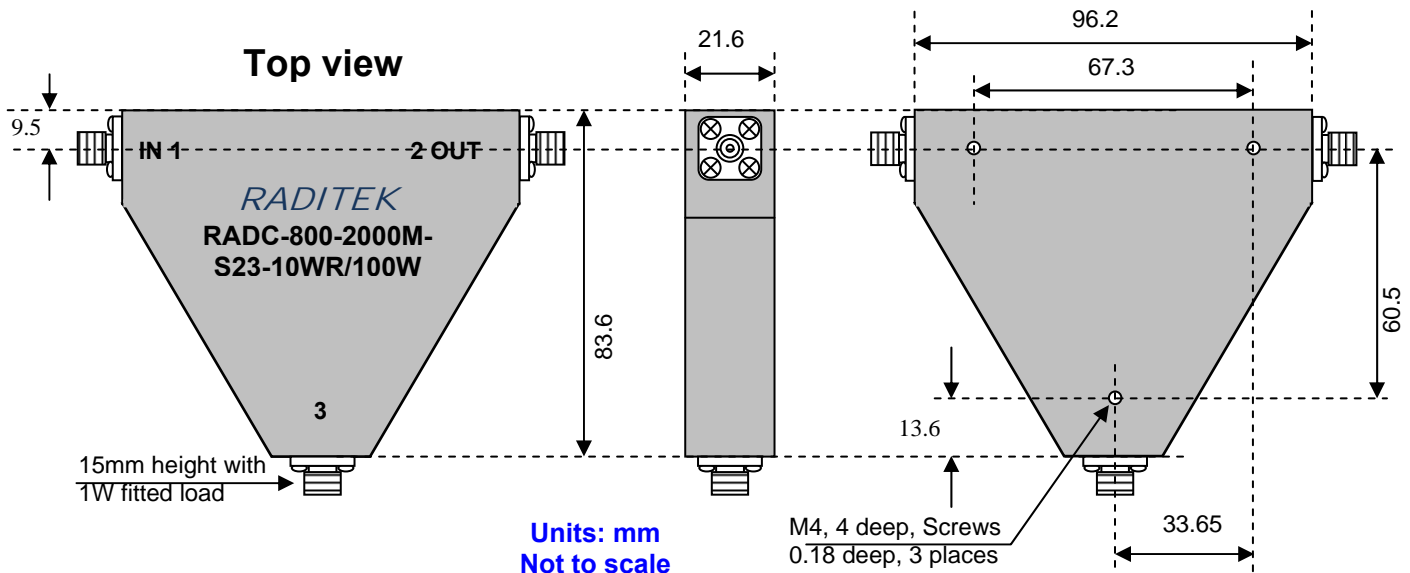


Coaxial Isolator or Circulator, 800-2000MHz SMA/N Connector

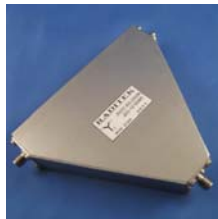
RADC-800-2000M-S23-10WR/100W - (10W Reverse/100W Forward)

RADI-800-2000M-S3-10WR/75W - (Reverse Power Options available: 1, 5, 10Watts Max)

Forward Power max (Pulse or Average): Circulator 100W or Isolator 75W



Tolerance Table Metric (inch)	
(unless otherwise stated):	
Hole diameter	+/- 0.1mm, (+/- 0.004")
Dimensions (w*h)	+/- 0.3 mm, (+/- 0.015")
Dimensions (Coax Connector position)	+/- 0.3mm, (+/- 0.012")
Dimensions (hole position)	+/- 0.1mm, (+/- 0.04")
Machined surfaces	
Flatness	0.025/mm, (0.001/ inch)
Bend radius	0.8mm, (0.031" or 1/32")



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

Direction of RF:	
R	Default →
L	←

Order Examples: RADC-800-2000M-S23-10WR/100W Fwd-b
I=ISOLATOR / C=CIRCULATOR

Specifications: MHz	Insertion loss dB (max)	Isolation dB (min)	VSWR (input & output)	Rated Power (Fwd) Watts (avg)	Rated Power (Rev) Watts (avg)	Operating Temp. °C (55°C Max)
800-2000 (C)	1.2	10	1.70	100	10	0~+50
800-2000 (I)	1.2	10	1.70	75	1,5,10	0~+50

At 0°C 800-850MHz Insertion loss is 1.6dB max 1.2dB typical

Additional Sub-Set Frequencies of 800-2000 MHz listed on page 2

RADCorI-800-2000M-SMA-10WR-100W Generic-b Specifications may be subject to change

04/04/12

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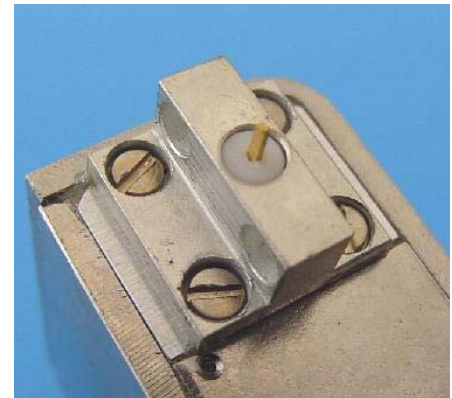
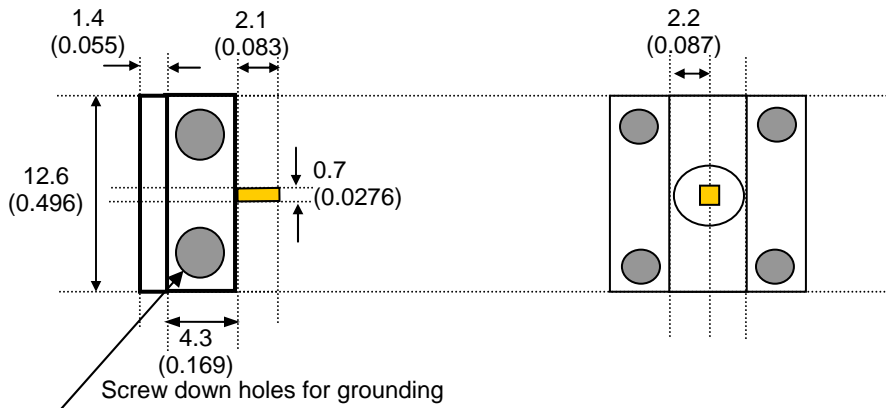
Coaxial Isolator or Circulator, 800-2000MHz SMA/N Connector
RADC-800-2000M-S23-10WR/100W - (10W Reverse/100W Forward)
RADI-800-2000M-S3-10WR/75W - (Reverse Power Options available: 1, 5, 10Watts Max)

Forward Power max (Pulse or Average): Circulator 100W or Isolator 75W

Specifications: MHz	Insertion loss dB (max)	Isolation dB (min)	VSWR (input & output)	Rated Power (Fwd) Watts (avg)	Rated Power (Rev) Watts (avg)	Operating Temp°C (55°C Max)
----- Additional Sub-Set Frequencies of 800-2000 MHz-----						
800-1600 (C)	0.8	14	1.6	2	2	0 to +50
800-2000 (C)	1.2	10	1.70	15	15	0~+50
800-2000	1.2	10	1.70	70		0~+50
800-2150	1.2	10	1.70	1	1	0~+50
869-1960	1.2	10	1.70	1	1	0~+50
869-2170 (I)	1.2	10	1.92	10	10	0~+50
*900-1700 (C)	0.5 1.0	18 15	1.3 1.5	100		+25 0 to +60
900-1800	0.7	16	1.50	100	1	0~+50
*900-1800 (C)	0.6 0.8	17 14	1.35 1.55	100		+25 0~+50
960-2000	0.8	15	1.50	100	1,5,10	0~+50

*Device to be mounted on the heatsink

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.

- 1. Distance from the top and bottom to any ferromagnetic substance (i.e. steel kovar or other magnet) including another Isolator or Circulator is >30mm
- 2. Distance from the sides >10mm