

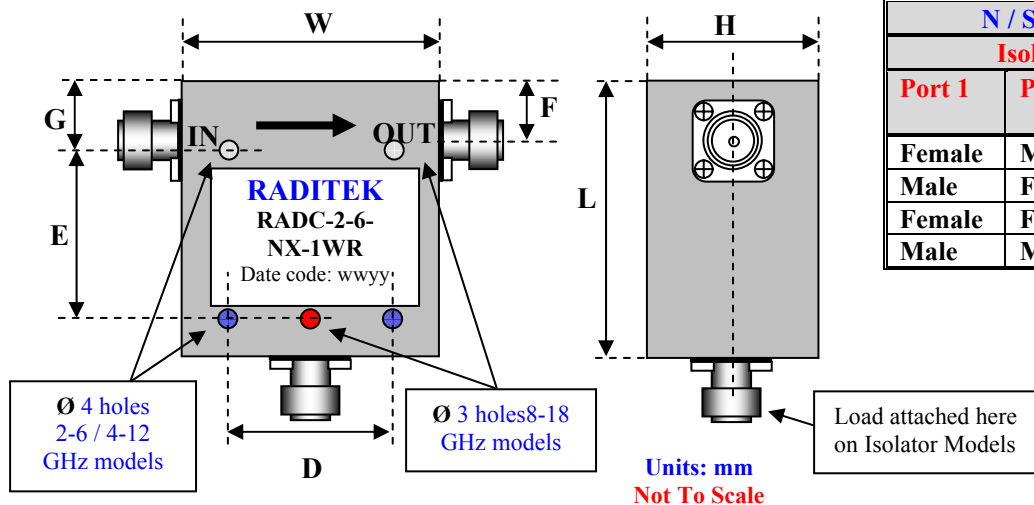
RADITEK INC. Octave Plus Low Power

Isolators and Circulators, Coaxial SMA/N

RADC-Flow-Fhigh-SX-30W / RADI Flow-Fhigh-SX-1W

ROHS Compliant

code-b



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



Octave+ Bands GHz	W	L	H	D	E	F	G	Ø	
2.0-6.0	42	44	19.5	28	30	7.4	6.3	M3 4-40	3 HOLE
4.0-12.0	45.8	45.2	24.4	35	25.5	15.5	14.8	M3	4 HOLE
5.0-15.0	19.05	20	12.7	tba	tba	tba	tba	tba	
6.0-18.0	12.8	15.3	10.5	8.0	-	5.2	5.5	M2 2-56	2 HOLE
8.0-18.0	34.6	37.1	22.3	25	20	13.8	12.3	M3	3 HOLE

Tolerance (unless otherwise stated):

Hole diameter ± 0.004
Dimensions ± 0.015
Machined surfaces $63\sqrt{\text{---}}$
Flatness $\pm 0.001/\text{inch}$
Bend radius $1/32$ inch

Order Examples: RADC-2.0-6.0-N23-35WR
I=ISOLATOR / C=CIRCULATOR

Direction of RF:	
R	Default ►
L	◄

Specifications:	2.0-6.0	4.0-12.0	6.0-18.0	8.0-18.0	GHz
Room Temp/Over Temp	RT/OT	RT/OT	RT/OT	RT/OT	
Insertion loss	0.8/1.2	1.2/1.3	1.2/1.3	0.8/0.9	dB (maximum)
Isolation	14/13	13/12	12/12	14/13	dB (minimum)
VSWR (input and output)	1.50/1.60	1.60/1.67	1.67/1.67	1.55/1.60	:1
Rated power (forward) {reverse also if circulator}	35	10	1, 2 or 5	2 or 5	Watts (average)
Rated power (reverse) {power in load Isolator Only }	1, 2 or 5	1 or 2	1 or 2	2 or 5	Watts (average)
Operating temperature	-40~+85	-40~+70	-40~+70	-40~+70	°C

RADCorI-Octave-Plus-LP Generic-b

Specifications may be subject to change

02/07/08

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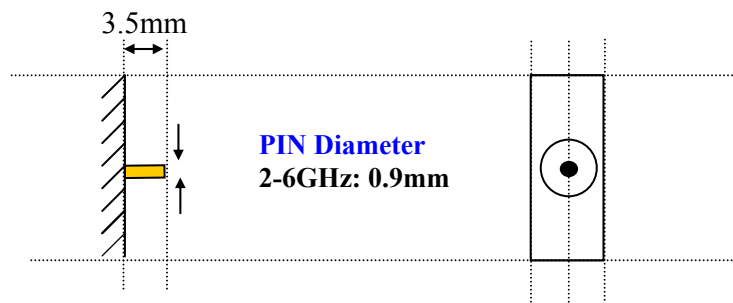
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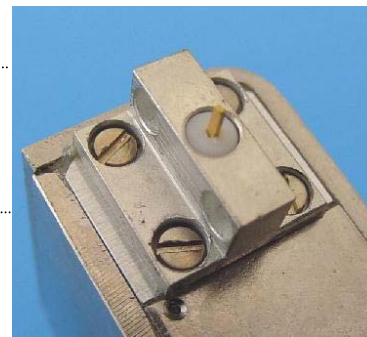
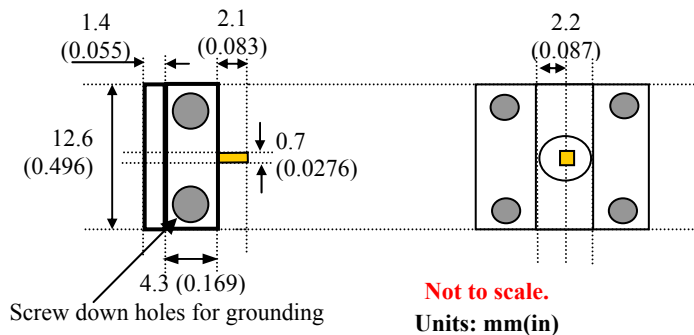
code-b

Specifications: GHz	Insertion loss dB (max)	Isolation dB (min)	VSWR :1 (input and output)	Rated Power (Fwd) Watts (avg)	Rated Power (Rev) Watts (avg) Isolator Only	Peak Power Watts (avg)	Operating Temp°C
Room Temp/ Over Temp	RT/OT	RT/OT	RT/OT	Rev also if circulator	Power in load		
Additional Sub-Set Frequencies of 2.0-6.0 GHz							
1.7-4.2 (C)	0.8/1.2	14/13	1.50/1.60	30			-60~+85
Additional Sub-Set Frequencies of 6.0-18.0 GHz							
5.8-14.5 (I)	0.8/1.2	14/13	1.50/1.60	1	1		-60~+85

Pin Interface Option



B4 Connector Option to 3GHz



Alternative connector option (B4), so unit can be used as a "drop in." Note the screw down holes must clamp down on the grounding surfaces.