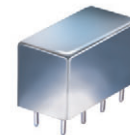


Plug-In Frequency Mixer

Level 13 (LO Power +13 dBm) 0.025 to 200 MHz

SRA-3MH+



CASE STYLE: A01
PRICE: \$21.20 ea. QTY (1-9)

**+ RoHS compliant in accordance
with EU Directive (2002/95/EC)**

*The +Suffix has been added in order to identify RoHS
Compliance. See our web site for RoHS Compliance
methodologies and qualifications.*

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	200mW
IF Current	40mA
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

LO	8
RF	1
IF	3,4^
GROUND	2,5,6,7
CASE GROUND	2

^ pins must be connected together externally

Features

- excellent conversion loss, 4.77 dB typ.
- high L-R isolation, 45 dB typ. L-I isolation, 40 dB typ.
- rugged welded construction
- hermetic

Applications

- VHF
- defense & federal communications
- FM broadcast radio

Electrical Specifications

FREQUENCY (MHz)		CONVERSION LOSS (dB)				LO-RF ISOLATION (dB)						LO-IF ISOLATION (dB)					
LO/RF f_L - f_U	IF	Mid-Band m		Total Range Max.		L		M		U		L		M		U	
		$\bar{X}$	σ	Max.	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.
.025-200	DC-200	4.77	.07	7.5	8.5	60	50	45	35	35	25	45	35	40	30	30	20

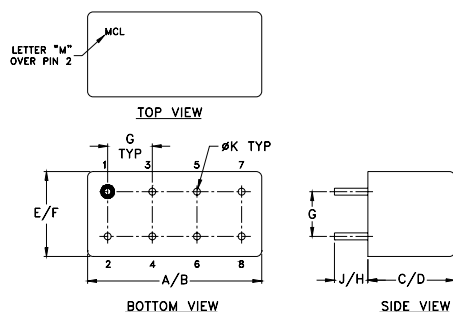
1 dB COMP.: +9 dBm typ.

L = low range [f_L to 10 f_L]
m = mid band [$2f_L$ to $f_U/2$]

M = mid range [10 f_L to $f_U/2$]

U = upper range [$f_U/2$ to f_U]

Outline Drawing



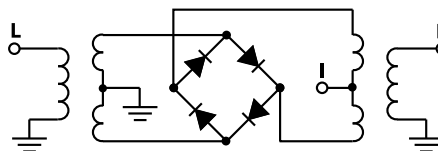
Outline Dimensions (inch/mm)

A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	H	J	K	wt	
.200	.20	.14	.031		
5.08	5.08	3.56	0.79		grams
					5.2

Typical Performance Data

Frequency (MHz)		Conversion Loss (dB)	Isolation L-R (dB)	Isolation L-I (dB)	VSWR RF Port (:1)	VSWR LO Port (:1)
RF	LO	LO +13dBm	LO +13dBm	LO +13dBm	LO +13dBm	LO +13dBm
0.025	30.025	7.47	73.00	68.27	1.27	2.12
5.00	35.00	4.97	68.46	58.54	1.25	2.13
20.00	50.00	5.12	61.10	56.96	1.24	2.18
28.59	58.59	5.10	58.49	56.16	1.23	2.14
35.74	65.74	5.10	55.30	54.57	1.22	2.11
42.88	72.88	5.07	53.39	53.33	1.21	2.12
50.00	80.00	5.05	51.26	51.58	1.20	2.09
64.30	94.30	5.00	48.21	48.64	1.18	2.06
121.44	91.44	4.95	40.55	41.10	1.17	2.03
128.58	98.58	5.04	39.34	40.10	1.16	2.03
135.72	105.72	5.04	39.85	40.26	1.14	1.99
142.87	112.87	4.99	40.78	40.74	1.13	2.02
150.01	120.01	5.06	40.53	40.11	1.12	2.01
157.15	127.15	5.11	39.65	39.23	1.09	2.03
164.29	134.29	5.14	38.33	38.13	1.07	2.10
171.43	141.43	5.21	36.83	37.20	1.04	2.10
178.58	148.58	5.29	35.77	36.86	1.03	2.07
185.72	155.72	5.36	35.84	37.45	1.02	2.05
192.86	162.86	5.42	36.35	38.14	1.02	2.07
200.00	170.00	5.45	36.17	38.15	1.12	2.19

Electrical Schematic



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IF/RF MICROWAVE COMPONENTS

For detailed performance specs
& shopping online see web site

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