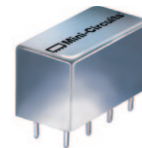


Plug-In Frequency Mixer

Level 7 (LO Power +7 dBm) 0.003 to 100 MHz

SRA-6+



CASE STYLE: A01
PRICE: \$30.20 ea. QTY (1-9)

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	50mW
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

^ pins must be connected together externally

Features

- excellent conversion loss, 4.58 dB typ.
- high L-R isolation, 45 dB typ. L-I isolation, 40 dB typ.
- rugged welded construction
- hermetic

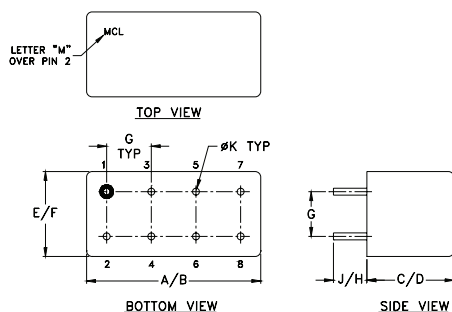
Applications

- VHF TV
- defense & federal communications
- radio astronomy

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

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	grams	
5.08	5.08	3.56	0.79	5.2	

Electrical Specifications

FREQUENCY (MHz)	CONVERSION LOSS (dB)	LO-RF ISOLATION (dB)						LO-IF ISOLATION (dB)					
		L		M		U		L		M		U	
		Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.

1 dB COMP.: +1 dBm typ.

L = low range [f_L to $10 f_L$]

m = mid band [$2 f_L$ to $f_U/2$]

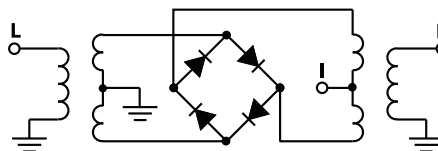
M = mid range [$10 f_L$ to $f_U/2$]

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

Typical Performance Data

Frequency (MHz)		Conversion Loss (dB)	VSWR RF Port (:1)	Frequency (MHz)	Isolation L-R (dB)	Isolation L-I (dB)	VSWR LO Port (:1)
RF	LO						
		LO +7dBm	LO +7dBm		LO +7dBm	LO +7dBm	LO +7dBm
0.25	30.25	4.69	1.18	0.25	87.94	69.25	2.72
0.50	30.50	4.70	1.21	0.50	88.51	67.15	2.60
1.00	31.00	4.72	1.23	1.00	80.05	62.74	2.56
2.00	32.00	4.71	1.23	2.00	74.49	58.28	2.48
4.00	34.00	4.72	1.25	4.00	65.04	46.76	2.43
6.00	36.00	4.75	1.26	6.00	61.86	45.54	2.42
8.00	38.00	4.77	1.25	8.00	58.66	43.62	2.43
10.00	40.00	4.77	1.24	10.00	62.82	41.15	2.44
15.00	45.00	4.75	1.24	15.00	62.74	40.69	2.45
19.00	49.00	4.72	1.23	19.00	59.34	40.12	2.47
23.00	53.00	4.69	1.20	23.00	55.11	40.91	2.50
31.00	61.00	5.04	1.19	31.00	51.93	41.11	2.55
39.00	69.00	5.21	1.17	39.00	50.11	39.64	2.58
51.00	81.00	5.29	1.22	51.00	48.56	38.35	2.62
61.00	91.00	5.51	1.37	61.00	47.39	36.57	2.65
67.00	97.00	5.71	1.44	67.00	45.06	33.06	2.70
70.00	100.00	5.80	1.46	70.00	44.27	31.87	2.74
85.00	115.00	5.84	1.41	85.00	43.42	30.32	2.89
92.50	122.50	5.90	1.24	92.50	43.22	30.02	2.98
100.00	130.00	5.93	1.12	100.00	42.87	30.05	3.06

Electrical Schematic



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ISO 9001 ISO 14001 AS 9100 CERTIFIED

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IF/RF MICROWAVE COMPONENTS

For detailed performance specs
& shopping online see web site

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