

Plug-In Frequency Mixer

Level 7 (LO Power +7 dBm) 0.0005 to 10 MHz

SRA-8+



CASE STYLE: A01
PRICE: \$35.20 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, 5.69 dB typ.
- high L-R isolation, 50 dB typ. L-I isolation, 50 dB typ.
- rugged welded construction
- hermetic

Applications

- IF signal processing
- AM broadcasting radio

+RoHS Compliant

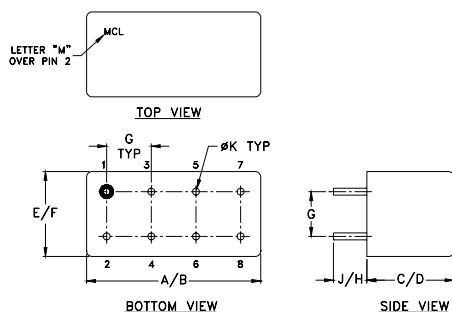
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

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.
.0005-10	DC-10	5.69	.11	7.5	8.5	60	50	50	40	45	35	60	50	50	40	45	35

1 dB COMP.: +1 dBm typ. L = low range [f_L to 10 f_L] M = mid range [10 f_L to $f_U/2$] U = upper range [$f_U/2$ to f_U]
m= mid band [$2f_L$ to $f_U/2$]

Outline Drawing



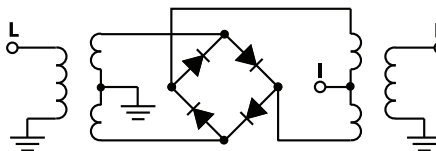
Outline Dimensions (inch/mm)

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	

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 +7dBm	LO +7dBm	LO +7dBm	LO +7dBm	LO +7dBm
0.001	3.00	5.26	71.79	72.81	1.41	3.30
0.002	3.00	4.96	75.56	77.65	1.37	2.70
0.005	3.01	4.92	73.77	80.99	1.38	2.54
0.01	3.01	4.88	71.40	77.86	1.37	2.46
0.02	3.02	4.84	71.49	76.56	1.37	2.41
0.05	3.05	4.84	72.03	78.05	1.38	2.32
0.10	3.10	4.79	71.80	78.10	1.38	2.29
0.20	3.20	4.88	71.48	77.93	1.38	2.21
0.50	3.50	4.86	71.98	77.73	1.37	2.10
0.70	3.70	4.83	71.60	76.54	1.37	1.98
1.00	4.00	4.88	71.65	75.42	1.37	1.95
1.43	4.43	4.91	71.81	71.58	1.37	1.94
2.00	5.00	4.91	72.01	69.03	1.36	1.96
2.86	5.86	4.97	71.64	64.97	1.37	2.01
4.29	7.29	5.16	71.16	59.46	1.36	2.03
5.00	8.00	5.17	71.48	58.01	1.36	2.02
6.43	9.43	5.18	70.78	54.45	1.36	1.98
7.14	4.14	5.21	70.73	53.39	1.36	1.94
8.57	5.57	5.23	70.34	50.80	1.36	1.92
10.00	7.00	5.22	70.10	48.53	1.35	1.90

Electrical Schematic



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IF/RF MICROWAVE COMPONENTS

For detailed performance specs & shopping online see web site

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