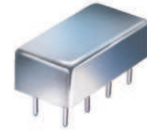


Plug-In Frequency Mixer

Level 7 (LO Power +7 dBm) 5 to 1500 MHz

SRA-5+



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
GROUND	2,5,6,7
CASE GROUND	2,5,6,7
NOT USED	4

Features

- excellent conversion loss, 6.69 dB typ.
- good L-R isolation, 35 dB typ. L-I isolation, 30 dB typ.
- rugged welded construction
- hermetic

Applications

- VHF/UHF
- cellular
- satellite distribution

CASE STYLE: A06

PRICE: \$29.20 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.

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.
5-1500	10-600	6.69	.07	8.0	8.5	50	45	35	30	30	20	45	40	30	25	25	15

1 dB COMP.: +1 dBm typ.

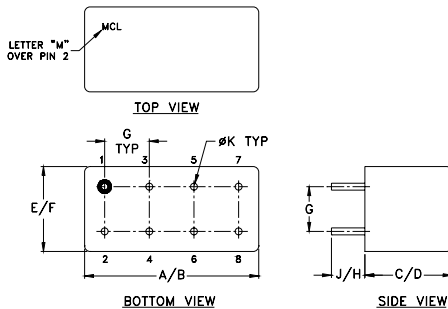
L = low range [f_L to $10 f_L$]

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]

Outline Drawing



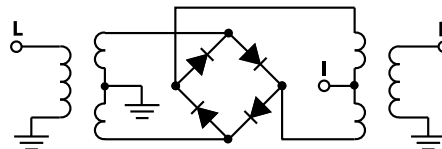
Outline Dimensions (inch/mm)

A	B	C	D	E	F
.770	.800	.285	.310	.370	.400
19.56	20.32	7.24	7.87	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
5.00	35.00	5.19	47.86	49.36	2.75	3.11
20.00	50.00	6.09	48.24	49.31	2.18	2.80
51.72	81.72	6.29	47.39	48.80	2.05	2.89
145.52	115.16	6.43	43.93	44.02	2.13	2.58
238.60	208.60	6.60	40.69	39.98	2.53	2.57
332.03	302.03	6.70	38.28	37.11	2.88	2.43
425.47	395.47	7.15	36.61	34.20	3.26	2.30
500.00	470.00	7.01	35.64	34.86	3.35	2.18
565.63	535.63	7.33	34.43	34.15	3.49	2.13
659.07	629.07	7.84	33.47	32.77	3.28	1.99
752.50	722.38	7.61	33.21	31.65	3.24	1.93
845.94	816.02	7.30	32.60	31.29	3.37	1.84
939.38	909.31	7.20	31.12	31.57	2.65	1.76
1000.00	969.82	7.11	30.45	31.53	2.54	1.67
1079.50	1049.30	7.08	30.12	31.21	2.46	1.60
1173.00	1143.00	7.05	30.51	30.75	2.33	1.50
1266.40	1236.40	7.40	32.04	29.64	2.20	1.39
1359.90	1329.80	7.48	35.34	27.77	2.11	1.32
1453.30	1423.30	7.81	36.11	32.82	2.08	1.25
1500.00	1469.90	7.78	36.51	37.91	2.32	1.24

Electrical Schematic



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IF/RF MICROWAVE COMPONENTS

For detailed performance specs
& shopping online see web site

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