

Frequency Mixer

SRA-3MH+

Typical Performance Data

RF (MHz)	LO (MHz)	CONVERSION LOSS (dB)			LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
		@LO (dBm)				@LO (dBm)			@LO (dBm)		
		+10	+13	+16		+10	+13	+16	+10	+13	+16
0.03	30.0	7.66	7.47	7.24	0.03	70.00	73.00	71.40	70.00	68.27	65.79
5.0	35.0	5.25	4.97	4.89	5.0	70.00	68.46	66.56	59.18	58.54	57.93
20.0	50.0	5.35	5.12	5.01	20.0	61.88	61.10	59.95	57.74	56.96	56.24
28.6	58.6	5.33	5.10	5.00	28.6	59.36	58.49	57.19	56.88	56.16	55.40
35.7	65.7	5.30	5.10	5.02	35.7	56.32	55.30	53.21	54.86	54.57	52.46
42.9	72.9	5.28	5.07	5.00	42.9	55.01	53.39	51.43	54.32	53.33	51.21
50.0	80.0	5.24	5.05	4.98	50.0	52.83	51.26	49.70	52.92	51.58	49.80
64.3	94.3	5.16	5.00	4.96	64.3	49.34	48.21	46.87	49.57	48.64	47.17
121.4	91.4	5.08	4.95	4.94	121.4	39.62	40.55	41.49	39.89	41.10	42.02
128.6	98.6	5.14	5.04	5.02	128.6	39.12	39.34	39.90	39.33	40.10	40.89
135.7	105.7	5.12	5.04	5.05	135.7	39.51	39.85	40.17	39.32	40.26	40.71
142.9	112.9	5.07	4.99	5.03	142.9	39.76	40.78	41.83	39.11	40.74	42.00
150.0	120.0	5.16	5.06	5.06	150.0	39.05	40.53	42.04	38.26	40.11	42.01
157.2	127.2	5.19	5.11	5.10	157.2	37.95	39.65	41.17	37.38	39.23	40.80
164.3	134.3	5.22	5.14	5.13	164.3	36.71	38.33	39.63	36.71	38.13	39.47
171.4	141.4	5.29	5.21	5.20	171.4	35.60	36.83	37.79	36.39	37.20	38.17
178.6	148.6	5.36	5.29	5.27	178.6	34.99	35.77	36.61	36.34	36.86	37.65
185.7	155.7	5.43	5.36	5.31	185.7	35.16	35.84	36.47	36.83	37.45	38.03
192.9	162.9	5.51	5.42	5.34	192.9	35.21	36.35	37.02	37.09	38.14	38.78
200.0	170.0	5.59	5.45	5.38	200.0	34.68	36.17	37.04	36.75	38.15	38.89

REV. X1
SRA-3MH+
070509
Page 1 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



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RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)			LO/RF (MHz)	max. DC output (mV)	DC Offset (mV)
	@LO (dBm)			@LO (dBm)				@LO (dBm)			@LO (dBm)		
	+10	+13	+16	+10	+13	+16		+10	+13	+16	+13		
5.0	1.42	1.27	1.15	1.29	2.12	3.35	5.0	1.58	1.50	1.44	0.03	-505.3	-0.02
32.9	1.39	1.25	1.14	1.32	2.13	3.22	32.9	1.59	1.52	1.47	5.00	-541.5	-0.08
38.4	1.39	1.24	1.13	1.34	2.18	3.24	38.4	1.59	1.53	1.47	20.00	-543.8	-0.06
50.0	1.37	1.23	1.12	1.33	2.14	3.24	50.0	1.61	1.54	1.49	28.59	-544.0	-0.06
60.7	1.36	1.22	1.11	1.29	2.11	3.20	60.7	1.64	1.57	1.52	35.74	-541.6	-0.06
66.3	1.35	1.21	1.11	1.31	2.12	3.25	66.3	1.66	1.59	1.53	42.88	-542.5	0.05
71.9	1.34	1.20	1.10	1.27	2.09	3.17	71.9	1.68	1.60	1.54	50.00	-542.8	-0.03
83.0	1.31	1.18	1.09	1.26	2.06	2.97	83.0	1.71	1.63	1.57	64.30	-555.4	-0.02
88.6	1.30	1.17	1.08	1.27	2.03	2.94	88.6	1.72	1.64	1.58	121.44	-549.9	0.17
94.1	1.28	1.16	1.06	1.27	2.03	2.91	94.1	1.73	1.65	1.59	128.58	-541.9	0.03
99.7	1.26	1.14	1.05	1.29	1.99	2.89	99.7	1.74	1.67	1.61	135.72	-542.8	0.00
105.3	1.25	1.13	1.04	1.28	2.02	2.90	105.3	1.77	1.69	1.63	142.87	-541.9	0.02
110.9	1.23	1.12	1.03	1.31	2.01	2.94	110.9	1.75	1.67	1.61	150.01	-546.6	0.05
122.0	1.21	1.09	1.01	1.32	2.03	2.91	122.0	1.84	1.75	1.69	157.15	-551.6	0.27
133.1	1.19	1.07	1.02	1.37	2.10	3.07	133.1	1.92	1.82	1.76	164.29	-558.1	0.39
144.3	1.16	1.04	1.04	1.36	2.10	3.06	144.3	1.98	1.88	1.82	171.43	-557.2	0.54
149.9	1.14	1.03	1.06	1.37	2.07	2.99	149.9	2.02	1.92	1.86	178.58	-552.2	0.63
155.4	1.12	1.02	1.08	1.42	2.05	2.99	155.4	2.04	1.95	1.88	185.72	-547.4	0.54
161.0	1.11	1.02	1.09	1.42	2.07	2.94	161.0	2.07	1.97	1.91	192.86	-543.3	0.44
200.0	1.05	1.12	1.22	1.47	2.19	3.07	200.0	2.37	2.22	2.15	200.00	-541.0	0.27

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