

Frequency Mixer

SRA-17WH

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)		
		+14	+17	+20		+14	+17	+20	+14	+17	+20
20.0	50.0	7.91	7.81	7.71	50.0	78.0	81.0	83.7	63.3	67.8	72.6
40.0	70.0	7.77	7.67	7.57	70.0	76.5	79.8	82.7	60.3	63.7	67.6
74.6	104.6	7.84	7.64	7.54	104.6	77.4	82.1	87.5	55.8	58.8	62.8
80.0	110.0	7.82	7.62	7.62	110.0	78.6	82.5	88.3	55.4	58.1	62.2
90.0	120.0	7.87	7.67	7.57	120.0	78.9	83.0	88.4	54.4	57.2	61.4
100.0	130.0	7.87	7.67	7.67	130.0	78.9	86.9	89.6	53.3	56.9	61.2
125.0	155.0	7.88	7.78	7.68	155.0	81.5	86.6	83.0	51.4	55.0	58.4
175.0	205.0	8.05	7.85	7.75	205.0	76.6	72.2	69.9	48.6	52.2	54.5
200.0	230.0	8.08	7.88	7.78	230.0	73.2	69.9	68.0	47.7	51.5	52.8
225.0	255.0	8.10	7.90	7.70	255.0	68.4	65.8	64.7	47.4	50.6	50.7
275.0	305.0	8.27	7.97	7.87	305.0	64.4	61.7	60.9	46.0	48.2	47.4
295.5	325.5	8.30	8.10	7.90	325.5	63.5	61.4	60.4	45.3	47.3	46.1
300.0	330.0	8.30	8.10	7.90	330.0	63.4	61.2	60.1	45.0	47.1	45.9
320.0	350.0	8.47	8.17	7.97	350.0	61.7	59.9	58.7	44.5	45.7	44.4
335.0	365.0	8.38	8.18	7.98	365.0	61.7	59.8	58.7	44.5	45.1	43.8
369.2	399.2	8.68	8.38	8.08	399.2	64.4	61.3	59.7	44.7	44.5	42.4
442.8	472.8	8.95	8.55	8.35	472.8	61.2	58.5	57.2	44.0	41.9	39.8
516.4	546.4	9.72	9.22	8.82	546.4	56.3	54.9	54.3	41.7	38.3	36.2
590.1	620.1	9.72	9.32	9.02	620.1	52.8	51.7	51.0	38.6	35.3	33.6
737.3	767.3	9.84	9.54	9.34	767.3	48.9	47.5	46.6	35.5	32.7	31.2

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Frequency Mixer

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Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+14	+17	+20	+14	+17	+20		+14	+17	+20
50.0	1.35	1.36	1.37	1.59	2.06	2.43	5.0	1.12	1.21	1.28
70.0	1.23	1.22	1.23	1.59	2.03	2.43	10.0	1.09	1.19	1.26
104.6	1.18	1.17	1.17	1.59	1.99	2.35	15.7	1.09	1.19	1.26
110.0	1.18	1.17	1.17	1.62	2.03	2.37	20.0	1.10	1.19	1.26
120.0	1.18	1.16	1.17	1.64	2.01	2.40	30.5	1.11	1.20	1.27
130.0	1.18	1.16	1.16	1.62	2.06	2.43	40.0	1.12	1.21	1.28
155.0	1.19	1.17	1.16	1.64	2.10	2.46	45.2	1.13	1.21	1.27
205.0	1.27	1.24	1.23	1.65	2.04	2.43	74.7	1.15	1.22	1.28
230.0	1.32	1.29	1.27	1.70	2.14	2.52	80.0	1.16	1.23	1.29
255.0	1.37	1.34	1.32	1.73	2.12	2.52	104.2	1.19	1.24	1.30
305.0	1.47	1.43	1.40	1.75	2.12	2.46	148.4	1.24	1.29	1.33
325.5	1.53	1.48	1.44	1.80	2.20	2.61	163.1	1.27	1.31	1.36
330.0	1.54	1.49	1.46	1.80	2.23	2.61	177.9	1.28	1.32	1.36
350.0	1.61	1.56	1.52	1.81	2.23	2.58	192.6	1.30	1.33	1.37
365.0	1.67	1.60	1.57	1.78	2.14	2.49	222.1	1.32	1.34	1.38
399.2	1.81	1.75	1.69	1.85	2.20	2.55	236.8	1.34	1.36	1.39
472.8	2.08	2.01	1.94	1.73	2.04	2.30	266.3	1.37	1.37	1.40
546.4	2.37	2.25	2.16	1.75	2.03	2.27	310.5	1.40	1.39	1.40
620.1	2.65	2.52	2.43	1.89	2.14	2.37	325.3	1.38	1.37	1.37
767.3	2.76	2.61	2.55	1.92	2.03	2.20	340.0	1.33	1.30	1.30

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