

Frequency Mixer

LOUE-ED3653A/2

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)		
		+7	+10	+13		+7	+10	+13	+7	+10	+13
40.0	70.0	6.93	6.33	6.33	70.0	30.4	34.1	36.9	38.0	42.7	47.1
80.0	110.0	6.57	6.17	6.07	110.0	32.1	35.6	38.5	40.5	44.9	47.3
169.4	199.4	6.50	6.00	6.00	199.4	33.7	37.3	39.6	42.5	43.7	41.8
337.7	367.7	6.37	5.97	5.87	367.7	35.5	38.4	39.3	42.6	38.7	37.1
500.0	530.0	6.50	6.10	6.00	530.0	36.3	36.8	36.4	40.8	35.9	34.0
674.5	704.5	6.48	5.98	5.88	704.5	35.5	34.5	33.8	39.2	33.8	31.9
842.8	872.8	6.33	6.03	6.13	872.8	34.0	32.0	31.3	37.1	32.4	30.4
1000.0	1030.0	6.54	6.04	6.04	1030.0	33.1	31.0	30.0	35.6	31.6	30.0
1011.2	1041.2	6.52	6.12	6.12	1041.2	32.9	31.0	30.0	35.6	32.1	30.1
1179.6	1209.6	7.17	6.17	5.77	1209.6	34.0	31.7	30.3	35.0	31.8	29.4
1347.9	1377.9	6.81	6.11	5.81	1377.9	35.1	31.1	28.7	34.6	30.9	28.4
1516.3	1546.3	6.70	6.00	5.90	1546.3	34.3	30.6	28.1	32.6	30.3	27.9
1684.7	1714.7	6.92	6.22	6.02	1714.7	33.5	30.2	27.7	29.3	28.2	26.2
1853.1	1883.1	6.93	6.13	5.93	1883.1	32.8	30.0	27.8	26.8	26.9	25.6
1970.0	2000.0	6.81	6.11	5.91	2000.0	32.8	30.6	28.7	26.2	26.4	25.5
2000.0	2030.0	6.79	6.09	5.89	2030.0	32.7	30.6	29.1	26.2	26.6	25.6
2021.4	2051.4	6.78	6.08	5.88	2051.4	32.4	31.0	29.3	26.3	26.6	25.8
2189.8	2219.8	6.75	6.15	5.95	2219.8	32.2	32.0	30.2	27.5	27.9	27.3
2358.2	2388.2	6.94	6.44	6.34	2388.2	31.1	31.9	30.7	28.5	28.9	28.8
2500.0	2530.0	7.06	6.66	6.66	2530.0	29.7	30.8	30.5	29.7	30.4	30.7

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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)		
	+7	+10	+13	+7	+10	+13		+7	+10	+13
70.0	1.30	1.34	1.51	1.36	1.23	1.59	10.0	1.41	1.13	1.24
110.0	1.19	1.25	1.43	1.30	1.19	1.56	40.0	1.43	1.07	1.20
199.4	1.17	1.18	1.35	1.27	1.16	1.54	62.9	1.43	1.08	1.19
367.7	1.15	1.13	1.31	1.24	1.16	1.58	80.0	1.43	1.09	1.17
530.0	1.15	1.07	1.25	1.23	1.18	1.65	100.0	1.44	1.09	1.17
704.5	1.17	1.20	1.38	1.29	1.22	1.60	124.7	1.44	1.11	1.15
872.8	1.10	1.27	1.48	1.39	1.28	1.58	186.6	1.50	1.15	1.13
1030.0	1.16	1.05	1.22	1.52	1.35	1.59	248.4	1.54	1.21	1.11
1041.2	1.17	1.03	1.17	1.55	1.37	1.60	310.3	1.63	1.26	1.12
1209.6	1.80	1.51	1.30	1.73	1.47	1.63	372.1	1.71	1.32	1.14
1377.9	1.97	1.71	1.59	1.85	1.54	1.62	434.0	1.77	1.38	1.16
1546.3	1.89	1.66	1.56	1.97	1.65	1.67	495.9	1.82	1.40	1.19
1714.7	1.78	1.59	1.52	2.12	1.75	1.71	500.0	1.81	1.40	1.19
1883.1	1.64	1.48	1.43	2.20	1.80	1.70	557.7	1.81	1.41	1.21
2000.0	1.51	1.39	1.40	2.23	1.78	1.66	619.6	1.81	1.42	1.25
2030.0	1.48	1.38	1.40	2.27	1.80	1.65	681.4	1.76	1.40	1.26
2051.4	1.44	1.36	1.39	2.30	1.82	1.66	743.3	1.70	1.35	1.24
2219.8	1.25	1.30	1.44	2.30	1.78	1.54	805.1	1.52	1.24	1.25
2388.2	1.15	1.37	1.58	2.20	1.68	1.39	867.0	1.40	1.23	1.33
2530.0	1.25	1.51	1.76	2.10	1.59	1.26	900.0	1.37	1.23	1.37