

Frequency Mixer

LRMS-ED6953/1

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
0.8	30.8	9.32	8.62	8.32	30.8	82.2	73.3	68.6	48.2	44.8	43.0
1.0	31.0	9.04	8.34	8.04	31.0	81.5	73.3	68.6	48.2	44.7	43.0
5.0	35.0	7.48	6.98	6.68	35.0	80.5	71.5	67.0	47.2	43.7	41.9
10.0	40.0	7.44	6.84	6.64	40.0	80.4	70.1	65.6	46.3	42.6	40.9
73.9	103.9	7.49	6.99	6.69	103.9	73.0	57.8	55.2	40.2	36.2	34.4
147.5	177.5	7.79	6.99	6.69	177.5	70.9	55.5	51.5	39.5	33.5	30.1
221.2	251.2	7.65	7.15	6.85	251.2	72.3	54.9	48.1	38.0	31.0	27.9
294.9	324.9	7.69	7.19	6.99	324.9	60.9	53.9	46.6	34.7	29.8	27.0
368.6	398.6	7.94	7.34	7.14	398.6	51.9	53.6	47.5	31.8	28.9	26.3
442.2	472.2	8.07	7.47	7.27	472.2	51.7	49.2	44.5	29.8	28.0	26.0
515.9	545.9	8.34	7.84	7.44	545.9	53.2	46.9	42.9	28.9	28.1	26.5
589.6	619.6	8.29	7.69	7.39	619.6	49.3	46.0	42.6	28.7	28.7	27.5
663.3	693.3	8.34	7.64	7.24	693.3	44.9	42.5	39.6	28.4	29.3	28.1
736.9	766.9	8.32	7.62	7.32	766.9	41.0	40.3	37.6	27.9	30.0	28.8
810.6	840.6	8.08	7.68	7.38	840.6	37.8	37.6	35.6	28.8	31.4	30.0
884.3	914.3	8.02	7.62	7.42	914.3	35.5	34.9	33.9	30.7	35.1	31.7
958.0	988.0	8.44	7.74	7.54	988.0	33.9	33.2	32.2	34.6	41.6	32.6
970.0	1000.0	8.49	7.79	7.49	1000.0	33.6	32.6	31.5	35.8	40.5	31.9
1000.0	1030.0	8.64	7.94	7.64	1030.0	33.0	32.1	31.0	39.5	37.5	30.7
1031.6	1061.6	8.87	8.17	7.77	1061.6	32.5	32.7	31.7	41.4	35.4	29.7

Frequency Mixer

LRMS-ED6953/1

Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+10	+13	+16	+10	+13	+16		+10	+13	+16
30.8	2.12	2.06	2.03	1.14	1.58	2.37	1.0	1.96	1.56	1.38
31.0	1.99	1.94	1.89	1.14	1.59	2.37	5.0	1.89	1.53	1.36
35.0	1.65	1.54	1.46	1.13	1.59	2.37	10.0	1.92	1.54	1.36
40.0	1.68	1.54	1.45	1.14	1.57	2.40	47.2	1.87	1.51	1.35
103.9	1.59	1.44	1.35	1.20	1.59	2.32	50.0	1.87	1.51	1.35
177.5	1.63	1.50	1.45	1.30	1.65	2.43	94.4	1.87	1.53	1.35
251.2	1.63	1.52	1.48	1.34	1.68	2.52	100.0	1.88	1.53	1.36
324.9	1.65	1.58	1.53	1.37	1.75	2.58	141.5	1.87	1.53	1.35
398.6	1.66	1.59	1.54	1.40	1.81	2.61	188.7	1.88	1.53	1.35
472.2	1.66	1.60	1.55	1.44	1.89	2.68	235.8	1.85	1.51	1.34
545.9	1.66	1.60	1.56	1.51	2.06	2.84	282.9	1.84	1.50	1.32
619.6	1.56	1.51	1.48	1.65	2.25	3.01	330.1	1.81	1.47	1.30
693.3	1.48	1.42	1.39	1.80	2.49	3.26	377.2	1.82	1.46	1.27
766.9	1.35	1.33	1.33	1.91	2.65	3.50	424.3	1.80	1.43	1.25
840.6	1.29	1.29	1.32	2.12	2.80	3.71	470.0	1.75	1.39	1.21
914.3	1.31	1.36	1.41	2.25	3.01	3.79	518.6	1.71	1.36	1.18
988.0	1.39	1.51	1.59	2.49	3.21	3.95	565.8	1.65	1.31	1.14
1000.0	1.41	1.54	1.64	2.49	3.26	4.12	612.9	1.59	1.26	1.10
1030.0	1.44	1.59	1.73	2.61	3.44	4.22	660.0	1.50	1.19	1.06
1061.6	1.47	1.61	1.76	2.65	3.50	4.22	707.2	1.41	1.13	1.07