

Frequency Mixer

LRMS-ED6847/1

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)		
		+7	+10	+13		+7	+10	+13	+7	+10	+13
770.0	800.0	9.52	8.25	7.62	800.0	30.8	33.0	34.5	34.5	32.8	31.9
930.0	960.0	9.07	8.45	8.27	960.0	29.4	30.9	32.1	33.9	31.8	31.2
1000.0	1030.0	9.21	8.49	8.41	1030.0	28.6	30.5	31.6	34.2	31.8	31.5
1090.0	1120.0	9.48	8.43	8.68	1120.0	28.2	30.1	31.4	36.5	33.3	31.8
1250.0	1280.0	9.53	8.61	8.63	1280.0	26.9	29.0	30.9	33.7	34.1	32.7
1410.0	1440.0	10.52	8.76	9.82	1440.0	27.9	29.7	31.6	30.1	32.2	31.9
1570.0	1600.0	11.78	8.78	10.78	1600.0	28.7	30.1	31.6	28.3	32.1	34.5
1730.0	1760.0	12.17	9.00	11.17	1760.0	29.1	30.4	31.6	28.6	33.9	40.3
1890.0	1920.0	10.57	8.89	9.57	1920.0	27.7	29.1	30.7	31.2	34.0	35.7
2050.0	2080.0	9.82	8.73	8.72	2080.0	26.9	27.7	28.8	25.6	27.5	29.9
2210.0	2240.0	10.24	8.63	9.14	2240.0	27.5	27.5	27.9	22.1	24.1	27.2
2250.0	2280.0	10.47	8.60	9.17	2280.0	27.8	27.6	27.8	21.6	23.6	26.6
2370.0	2400.0	10.90	8.99	9.30	2400.0	28.8	28.1	28.0	20.5	22.5	24.7
2530.0	2560.0	11.23	8.77	9.43	2560.0	31.3	30.1	28.8	20.2	21.7	22.6
2690.0	2720.0	10.96	9.63	9.46	2720.0	34.5	31.3	28.6	21.3	22.1	22.1
2750.0	2780.0	10.89	9.33	9.59	2780.0	35.2	31.1	28.4	21.6	22.2	22.1
2850.0	2880.0	11.14	9.79	10.14	2880.0	34.4	29.9	27.5	21.8	22.2	22.0
3000.0	3030.0	11.74	10.54	10.74	3030.0	29.8	27.7	26.2	22.4	22.7	22.4
3010.0	3040.0	11.69	10.71	10.79	3040.0	29.5	27.5	26.2	22.5	22.8	22.5
3050.0	3080.0	11.92	10.89	11.02	3080.0	28.5	26.9	25.8	22.9	23.2	22.9

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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
800.0	1.85	2.32	2.88	3.16	2.88	2.68	0.1	7.00	7.00	7.00
960.0	1.94	2.43	3.21	3.32	3.21	3.06	0.5	2.16	2.18	2.23
1030.0	2.02	2.55	3.26	3.64	3.50	3.38	1.0	1.75	1.73	1.75
1120.0	2.22	2.61	3.32	3.71	3.57	3.44	5.0	1.37	1.22	1.18
1280.0	2.34	2.46	2.84	3.95	3.79	3.71	10.0	1.35	1.16	1.09
1440.0	2.43	2.35	2.61	3.06	2.92	2.92	30.0	1.32	1.13	1.01
1600.0	2.64	2.49	2.68	2.43	2.37	2.32	50.0	1.30	1.12	1.02
1760.0	2.92	2.58	2.72	2.37	2.25	2.18	100.0	1.29	1.11	1.04
1920.0	3.05	2.61	2.58	2.88	2.68	2.52	150.1	1.26	1.10	1.06
2080.0	3.26	2.52	2.35	3.21	2.80	2.52	225.0	1.23	1.11	1.12
2240.0	3.37	2.46	2.06	2.84	2.52	2.25	300.1	1.18	1.14	1.21
2280.0	3.50	2.40	1.97	2.80	2.43	2.20	375.1	1.15	1.21	1.34
2400.0	3.38	2.25	1.76	2.68	2.37	2.18	450.1	1.16	1.32	1.49
2560.0	3.05	2.06	1.48	2.27	2.04	1.92	500.0	1.20	1.41	1.61
2720.0	2.61	1.81	1.32	1.54	1.49	1.49	600.1	1.33	1.61	1.87
2780.0	2.32	1.69	1.34	1.36	1.38	1.41	675.1	1.46	1.77	2.04
2880.0	2.08	1.60	1.43	1.34	1.43	1.50	750.0	1.59	1.91	2.20
3030.0	1.70	1.54	1.61	1.61	1.71	1.77	825.0	1.75	2.10	2.40
3040.0	1.68	1.55	1.63	1.62	1.73	1.78	900.0	1.94	2.35	2.72
3080.0	1.64	1.59	1.73	1.71	1.81	1.88	975.0	2.18	2.61	3.01