

Frequency Mixer

LMX-156

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
800.0	830.0	9.06	8.59	8.32	800.0	42.0	42.2	42.2	31.7	30.7	30.0
847.2	877.2	9.02	8.51	8.23	847.2	41.3	42.1	42.8	31.1	30.1	29.3
894.4	924.4	8.90	8.20	7.77	894.4	39.1	40.2	40.9	30.5	29.6	28.7
941.7	911.7	8.00	7.28	6.78	941.7	35.9	36.8	37.1	29.9	29.1	28.2
1000.0	970.0	7.42	6.67	6.28	1000.0	33.4	34.9	35.8	29.2	28.5	27.6
1083.3	1053.3	6.96	6.33	6.00	1083.3	31.5	33.5	34.6	28.1	27.6	26.9
1130.6	1100.6	7.11	6.50	6.16	1130.6	30.6	32.7	34.4	27.4	27.0	26.5
1225.0	1196.0	7.18	6.67	6.39	1225.0	31.4	32.9	34.4	25.9	25.6	25.2
1366.7	1336.7	7.52	7.08	6.77	1366.7	32.3	34.2	35.5	26.5	25.7	24.8
1413.9	1383.9	7.65	7.23	6.98	1413.9	32.9	34.7	36.1	26.1	25.1	24.0
1500.0	1470.0	7.71	7.36	7.16	1500.0	33.9	36.1	37.7	25.5	24.6	23.5
1555.6	1525.6	7.72	7.38	7.18	1555.6	32.3	34.2	35.6	25.6	24.7	23.5
1650.0	1620.0	7.80	7.44	7.23	1650.0	33.1	34.0	34.3	25.3	24.7	23.8
1791.7	1761.7	8.07	7.60	7.39	1791.7	34.0	33.9	33.8	25.4	25.6	25.4
1933.3	1903.3	8.89	7.99	7.63	1933.3	33.8	33.6	33.4	27.0	27.9	28.2
2000.0	1970.0	8.81	7.88	7.50	2000.0	33.4	33.3	33.4	28.0	29.4	29.9
2122.2	2092.2	8.70	7.72	7.32	2122.2	32.5	32.9	33.5	29.9	31.7	32.4
2263.9	2233.9	8.00	7.19	6.80	2263.9	31.2	31.8	32.6	32.2	33.6	34.1
2405.6	2375.6	7.92	7.11	6.73	2405.6	30.1	29.8	29.3	33.0	33.4	33.0
2500.0	2470.0	8.31	7.55	7.23	2500.0	29.0	28.2	27.5	32.9	32.2	31.5

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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)		
	+7	+10	+13	+7	+10	+13		+7	+10	+13	+10		
800.0	2.71	2.63	2.58	1.95	2.38	3.04	5.0	2.11	1.85	1.68	800.0	-180.0	-1.05
847.2	2.18	2.12	2.10	1.94	2.35	2.98	42.7	2.11	1.86	1.69	847.2	-193.4	-1.43
894.4	1.73	1.70	1.70	1.95	2.33	2.95	80.1	2.12	1.87	1.70	894.4	-197.6	-2.64
941.7	1.37	1.36	1.39	2.00	2.38	2.98	117.7	2.12	1.88	1.72	941.7	-199.2	-1.50
1000.0	1.03	1.11	1.18	2.01	2.36	2.93	200.0	2.12	1.92	1.80	1000.0	-194.0	-0.82
1083.3	1.41	1.42	1.43	2.02	2.33	2.88	275.5	2.07	1.95	1.88	1083.3	-189.0	1.93
1130.6	1.68	2.68	1.67	2.06	2.32	2.84	350.6	1.98	1.94	1.93	1130.6	-185.4	3.01
1225.0	2.19	2.15	2.12	2.12	2.37	2.86	463.3	1.80	1.85	1.92	1225.0	-181.6	5.63
1366.7	2.77	2.67	2.61	2.25	2.39	2.81	538.4	1.69	1.78	1.89	1366.7	-170.1	4.99
1413.9	2.90	2.80	2.73	2.26	2.36	2.73	621.0	1.61	1.73	1.87	1413.9	-160.5	4.38
1500.0	3.04	2.92	2.85	2.33	2.37	2.73	733.7	1.55	1.68	1.85	1500.0	-160.5	3.64
1555.6	3.09	2.96	2.89	2.38	2.37	2.67	808.8	1.53	1.69	1.86	1555.6	-149.0	5.78
1650.0	3.08	2.94	2.86	2.53	2.40	2.65	884.0	1.51	1.69	1.87	1650.0	-148.1	7.71
1791.7	2.93	2.80	2.71	2.69	2.46	2.63	1000.0	1.43	1.63	1.84	1791.7	-132.5	8.51
1933.3	2.69	2.58	2.48	2.88	2.51	2.57	1079.3	1.39	1.60	1.81	1933.3	-106.5	7.51
2000.0	2.57	2.46	2.38	2.85	2.51	2.57	1154.4	1.33	1.51	1.69	2000.0	-105.7	7.90
2122.2	2.34	2.24	2.16	2.98	2.53	2.51	1229.5	1.25	1.43	1.59	2122.2	-85.6	8.56
2263.9	2.11	2.01	1.93	3.01	2.52	2.44	1349.7	1.25	1.42	1.58	2263.9	-66.3	9.32
2405.6	1.97	1.86	1.79	3.04	2.49	2.34	1424.9	1.15	1.34	1.50	2405.6	-39.5	10.40
2500.0	1.92	1.82	1.75	3.09	2.50	2.31	1500.0	1.29	1.46	1.59	2500.0	-18.7	12.36

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