

Frequency Mixer

LMX-1481

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
3.0	33.0	7.14	6.60	6.34	3.0	64.0	67.3	50.8	56.8	56.7	56.7
6.0	36.0	7.01	6.47	6.22	6.0	63.2	66.3	52.3	56.0	55.2	54.8
10.0	40.0	6.97	6.42	6.18	10.0	63.4	66.9	53.6	54.8	53.6	52.5
20.0	50.0	6.98	6.46	6.22	20.0	63.3	66.8	52.6	52.0	49.6	48.1
30.0	60.0	7.01	6.54	6.35	30.0	63.5	66.7	52.6	50.0	47.2	45.4
50.0	80.0	7.17	6.62	6.35	50.0	63.1	66.1	48.2	46.0	42.9	41.1
100.0	70.0	7.13	6.61	6.38	100.0	61.1	63.1	45.8	40.8	37.5	35.9
149.3	119.3	7.11	6.54	6.35	149.3	59.1	60.3	42.7	38.2	35.2	33.7
200.0	170.0	7.01	6.52	6.36	200.0	57.6	58.4	41.7	36.6	33.8	31.7
295.5	265.5	6.94	6.56	6.39	295.5	56.8	56.2	38.6	34.7	31.4	29.1
441.8	411.8	7.07	6.64	6.42	441.8	50.7	48.0	39.8	28.0	26.8	25.3
514.9	484.9	7.10	6.66	6.44	514.9	48.9	45.8	42.8	25.7	25.1	24.3
550.0	520.0	7.12	6.68	6.47	550.0	46.5	43.8	44.8	24.7	24.3	23.4
588.1	558.1	7.13	6.66	6.46	588.1	45.1	43.0	50.3	23.8	23.5	22.8
734.3	704.3	7.54	6.91	6.53	734.3	39.7	39.0	38.0	19.8	20.3	20.0
880.6	850.6	8.21	7.30	6.70	880.6	37.1	37.7	37.2	17.4	18.5	18.6
1000.0	970.0	8.40	7.57	7.03	1000.0	33.6	34.8	35.1	16.3	17.4	17.8
1026.9	996.9	8.54	7.70	7.21	1026.9	32.9	34.3	34.9	16.0	17.3	17.8
1063.4	1033.4	8.59	7.90	7.35	1063.4	31.4	32.8	33.2	15.7	16.9	17.3
1100.0	1070.0	8.82	8.13	7.66	1100.0	30.3	32.0	32.8	15.4	16.7	17.3

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IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant
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Typical Performance Data

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		
3.0	1.33	1.38	1.44	1.83	2.58	3.64	3.0	2.02	1.62	1.36	3.0	-269.2	-0.41
6.0	1.17	1.25	1.31	1.69	2.48	3.56	6.0	2.03	1.62	1.37	5.0	-270.3	-0.40
10.0	1.12	1.21	1.29	1.56	2.34	3.38	10.0	2.04	1.63	1.37	6.0	-270.1	-0.46
20.0	1.11	1.21	1.29	1.60	2.39	3.46	20.0	2.04	1.63	1.37	10.0	-273.4	-0.43
30.0	1.12	1.22	1.30	1.58	2.36	3.41	30.0	2.04	1.63	1.37	20.0	-263.8	-0.41
50.0	1.13	1.24	1.31	1.57	2.35	3.37	50.0	2.04	1.63	1.37	30.0	-265.4	-0.38
100.0	1.14	1.24	1.32	1.52	2.26	3.24	100.0	2.04	1.63	1.38	50.0	-279.3	-0.37
200.0	1.14	1.24	1.31	1.49	2.20	3.13	200.0	2.04	1.65	1.42	100.0	-286.4	-0.39
244.3	1.14	1.24	1.31	1.54	2.29	3.25	244.3	2.05	1.65	1.43	159.7	-265.2	-0.34
365.0	1.13	1.24	1.30	1.59	2.30	3.20	365.0	2.01	1.65	1.47	200.0	-278.2	-0.36
485.7	1.14	1.20	1.28	1.68	2.35	3.19	485.7	1.93	1.61	1.47	316.4	-286.6	-0.11
550.0	1.19	1.23	1.29	1.74	2.38	3.19	550.0	1.89	1.59	1.47	473.1	-247.6	0.48
584.4	1.22	1.25	1.31	1.75	2.37	3.14	584.4	1.85	1.57	1.45	500.0	-239.0	0.55
639.3	1.29	1.30	1.35	1.82	2.43	3.19	639.3	1.82	1.54	1.43	550.0	-256.7	0.86
759.9	1.49	1.47	1.49	1.92	2.49	3.19	759.9	1.69	1.43	1.32	629.9	-251.2	0.42
891.6	1.78	1.75	1.76	1.94	2.44	3.08	891.6	1.55	1.29	1.17	786.6	-209.3	0.70
1000.0	2.16	2.10	2.09	1.99	2.43	3.04	1000.0	1.43	1.18	1.05	943.3	-217.0	2.15
1034.2	2.30	2.23	2.22	2.04	2.50	3.12	1034.2	1.40	1.15	1.04	1000.0	-216.2	2.36
1067.1	2.44	2.36	2.35	2.08	2.50	3.09	1067.1	1.35	1.12	1.06	1060.8	-234.6	4.40
1100.0	2.61	2.52	2.50	2.09	2.46	3.02	1100.0	1.31	1.10	1.09	1100.0	-211.6	5.34

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