

Frequency Mixer

LRMS-ED6709/1

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)		
		0	+3	+6		0	+3	+6	0	+3	+6
954.5	984.5	8.08	5.98	5.38	984.5	30.1	32.0	32.9	10.1	11.5	12.6
1068.2	1098.2	6.64	5.44	4.74	1098.2	32.8	33.3	33.3	12.4	13.8	15.1
1181.8	1211.8	5.88	5.18	4.58	1211.8	33.5	33.2	33.5	15.9	17.2	18.4
1295.5	1325.5	5.68	5.28	4.98	1325.5	34.0	33.7	33.8	18.8	20.2	21.4
1409.1	1439.1	5.73	5.43	5.23	1439.1	32.9	33.0	33.3	21.3	22.9	23.7
1522.7	1552.7	5.46	5.26	5.16	1552.7	34.5	34.9	34.7	23.4	25.0	26.0
1636.4	1666.4	5.55	5.05	4.75	1666.4	35.7	38.0	39.0	24.6	26.3	27.2
1750.0	1780.0	5.46	4.96	4.76	1780.0	37.5	41.6	45.3	25.9	27.7	28.7
1850.0	1880.0	6.32	5.82	5.52	1880.0	39.0	45.8	60.9	27.7	29.7	31.0
1863.6	1893.6	6.45	5.85	5.55	1893.6	38.3	44.9	58.7	27.9	29.9	31.3
1910.0	1940.0	6.40	5.90	5.50	1940.0	36.4	42.0	50.9	28.6	30.6	32.0
1970.0	2000.0	6.20	5.60	5.30	2000.0	35.2	39.2	44.4	28.9	31.0	32.4
1977.3	2007.3	6.07	5.57	5.27	2007.3	34.9	38.9	43.8	28.8	30.9	32.5
2090.9	2120.9	5.98	5.58	5.18	2120.9	32.0	34.5	37.4	29.1	31.0	32.3
2204.5	2234.5	5.57	5.17	4.77	2234.5	30.9	32.8	34.6	29.7	31.5	32.3
2318.2	2348.2	5.80	5.30	5.10	2348.2	30.0	31.8	33.6	31.4	33.3	34.4
2431.8	2461.8	6.34	5.94	5.74	2461.8	30.1	32.0	33.6	31.7	33.7	34.5
2545.5	2575.5	6.94	6.54	6.44	2575.5	30.1	31.6	32.9	32.4	34.4	34.7
2659.1	2689.1	7.08	6.68	6.48	2689.1	29.9	31.4	32.8	34.6	36.2	36.1
2772.7	2802.7	7.54	7.04	6.74	2802.7	30.2	31.8	32.4	35.9	37.4	36.5

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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)		
	0	+3	+6	0	+3	+6		0	+3	+6
984.5	3.16	2.27	2.08	2.96	2.55	2.43	0.1	1.20	1.04	1.14
1098.2	2.80	2.14	2.12	1.87	1.69	1.62	0.3	1.20	1.02	1.13
1211.8	2.52	2.01	2.20	1.22	1.17	1.20	0.5	1.23	1.03	1.11
1325.5	2.03	1.82	2.20	1.22	1.35	1.44	0.8	1.25	1.04	1.10
1439.1	1.70	1.77	2.27	1.60	1.76	1.88	1.0	1.25	1.04	1.09
1552.7	1.49	1.77	2.37	1.75	1.84	1.97	25.0	1.24	1.10	1.14
1666.4	1.34	1.74	2.43	2.08	1.94	1.89	50.0	1.32	1.20	1.21
1780.0	1.18	1.70	2.37	1.96	1.74	1.62	57.2	1.35	1.23	1.23
1880.0	1.11	1.64	2.37	2.80	2.58	2.37	114.4	1.52	1.40	1.39
1893.6	1.10	1.64	2.35	2.84	2.61	2.46	171.5	1.60	1.51	1.48
1940.0	1.19	1.68	2.40	2.84	2.65	2.46	228.7	1.66	1.57	1.55
2000.0	1.29	1.73	2.40	2.58	2.37	2.30	285.8	1.71	1.63	1.61
2007.3	1.30	1.73	2.43	2.55	2.40	2.27	342.9	1.71	1.66	1.65
2120.9	1.61	1.91	2.55	2.30	2.12	2.03	400.1	1.69	1.66	1.67
2234.5	1.99	2.12	2.68	2.04	1.97	1.91	457.2	1.69	1.69	1.73
2348.2	2.46	2.43	2.96	2.12	2.12	2.12	514.3	1.71	1.75	1.80
2461.8	3.06	2.84	3.26	2.49	2.55	2.61	571.5	1.70	1.77	1.82
2575.5	3.57	3.11	3.32	3.11	3.21	3.26	628.6	1.74	1.81	1.89
2689.1	3.71	3.11	3.06	3.44	3.57	3.64	685.8	1.77	1.87	1.97
2802.7	4.12	3.16	3.06	4.12	4.03	4.12	742.9	1.88	2.03	2.14