

Frequency Mixer

LRMS-ED6710/1

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
209.0	239.0	8.28	6.98	6.38	239.0	45.3	45.8	45.9	47.2	47.3	47.5
308.5	338.5	7.67	6.37	5.97	338.5	46.3	48.4	48.5	52.6	56.2	51.8
408.0	438.0	6.98	5.98	5.68	438.0	46.5	54.5	53.4	52.4	53.8	48.4
507.5	537.5	6.46	5.86	5.56	537.5	45.4	53.3	53.8	43.0	44.6	44.4
607.0	637.0	6.49	5.89	5.59	637.0	45.4	53.3	53.8	43.0	44.6	40.7
706.5	736.5	6.39	5.79	5.49	736.5	41.9	45.0	46.4	37.2	39.2	36.4
806.0	836.0	6.34	5.74	5.54	836.0	38.1	40.7	42.0	33.4	34.9	33.6
826.0	856.0	6.39	5.89	5.69	856.0	34.9	37.3	38.7	30.9	32.7	33.3
830.0	860.0	6.32	5.82	5.62	860.0	34.4	36.9	38.3	30.1	32.4	33.2
835.0	865.0	6.27	5.87	5.67	865.0	34.2	36.8	38.3	30.1	32.2	33.1
840.0	870.0	6.35	5.95	5.65	870.0	34.0	36.7	38.1	29.8	32.0	33.1
845.0	875.0	6.46	5.96	5.76	875.0	34.0	36.5	38.0	29.7	31.9	33.1
850.0	880.0	6.45	5.95	5.85	880.0	33.6	36.4	38.0	29.6	31.6	33.0
875.0	905.0	6.56	6.16	5.86	905.0	33.0	36.2	37.8	28.9	30.8	32.3
905.5	935.5	6.80	6.30	6.00	935.5	32.0	35.4	37.1	28.1	29.9	31.6
1005.0	1035.0	7.30	6.60	6.20	1035.0	29.9	34.3	34.0	26.3	28.1	29.8
1104.5	1134.5	7.72	6.92	6.22	1134.5	27.8	32.1	31.4	25.8	27.5	29.1
1204.0	1234.0	8.05	6.85	6.05	1234.0	25.9	28.2	30.1	26.2	27.6	29.2
1303.5	1333.5	8.25	7.35	6.45	1333.5	25.0	27.2	29.3	27.1	28.7	30.1
1403.0	1433.0	8.46	7.66	6.86	1433.0	24.6	26.8	28.9	26.6	28.9	30.9

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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
239.0	2.76	1.94	1.91	2.80	2.40	2.18	75.0	9.69	3.26	1.43
338.5	2.40	1.67	1.73	2.40	2.03	1.84	100.0	9.18	3.32	1.53
438.0	2.23	1.54	1.66	2.12	1.80	1.67	150.9	7.60	3.32	1.60
537.5	1.97	1.41	1.64	2.08	1.81	1.68	200.8	6.73	3.21	1.62
637.0	1.78	1.33	1.66	1.91	1.69	1.58	250.0	6.49	3.16	1.65
736.5	1.63	1.27	1.65	1.70	1.51	1.43	300.7	6.73	3.26	1.68
836.0	1.48	1.24	1.69	1.52	1.36	1.32	350.7	7.28	3.32	1.71
856.0	1.46	1.25	1.73	1.51	1.38	1.35	400.6	8.72	3.64	1.80
860.0	1.46	1.25	1.75	1.51	1.39	1.36	450.6	8.72	3.71	1.85
865.0	1.46	1.27	1.74	1.50	1.39	1.37	500.0	8.31	3.71	1.89
870.0	1.45	1.26	1.76	1.51	1.40	1.38	550.5	8.31	3.79	1.94
875.0	1.46	1.26	1.78	1.53	1.42	1.40	600.4	8.31	3.86	1.97
880.0	1.45	1.26	1.78	1.54	1.43	1.41	650.4	8.31	3.86	1.97
905.0	1.40	1.26	1.75	1.57	1.48	1.45	700.3	8.31	3.86	2.03
935.5	1.37	1.27	1.78	1.59	1.50	1.46	750.0	7.28	3.71	2.04
1035.0	1.28	1.33	1.94	1.52	1.43	1.42	800.2	7.28	3.71	2.08
1134.5	1.15	1.40	1.99	1.56	1.41	1.31	850.2	7.00	3.79	2.16
1234.0	1.08	1.44	2.04	1.62	1.40	1.28	900.1	7.28	3.95	2.27
1333.5	1.05	1.51	2.12	1.81	1.67	1.56	950.1	7.94	4.22	2.40
1433.0	1.16	1.61	2.23	2.20	2.06	2.01	1000.0	9.69	4.89	2.68