

Frequency Mixer

LRMS-ED6462/3

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	7.65	7.15	6.85	830.0	24.1	25.6	28.1	9.6	11.5	13.3
863.2	893.2	6.62	6.02	5.82	893.2	27.1	28.7	31.2	11.2	13.2	14.8
994.7	1024.7	5.72	5.42	4.92	1024.7	36.8	42.3	43.4	13.7	15.6	17.3
1000.0	1030.0	5.81	5.41	5.01	1030.0	37.3	42.9	42.9	13.8	15.7	17.3
1126.3	1156.3	5.62	5.12	4.52	1156.3	44.6	39.8	38.6	16.4	18.1	20.0
1257.9	1287.9	5.56	5.06	4.76	1287.9	41.6	36.2	35.5	19.7	21.6	23.9
1389.5	1419.5	5.42	5.12	5.02	1419.5	41.2	37.1	36.4	21.0	23.2	25.6
1521.1	1551.1	5.25	5.15	5.15	1551.1	48.2	40.1	38.8	22.2	24.6	27.2
1652.6	1682.6	5.04	4.84	4.84	1682.6	37.4	39.2	40.4	23.0	25.6	28.3
1784.2	1814.2	4.82	4.62	4.62	1814.2	31.5	33.5	35.9	23.2	25.6	28.2
1915.8	1945.8	5.75	5.35	5.15	1945.8	30.7	31.9	34.0	24.4	26.9	29.3
1970.0	2000.0	5.44	5.14	4.94	2000.0	35.2	34.6	35.4	25.3	27.4	30.0
2000.0	2030.0	5.21	5.01	4.91	2030.0	35.6	35.9	36.8	25.6	27.8	30.3
2047.4	2077.4	5.43	5.33	5.23	2077.4	32.5	34.5	36.1	25.8	28.4	30.7
2178.9	2208.9	5.36	5.06	4.86	2208.9	24.8	26.5	28.5	26.3	28.5	30.9
2310.5	2340.5	5.06	4.76	4.56	2340.5	24.4	26.1	27.8	28.1	30.4	32.9
2442.1	2472.1	5.25	5.05	4.85	2472.1	22.9	24.9	27.3	30.5	32.4	34.9
2500.0	2530.0	5.89	5.49	5.39	2530.0	22.9	24.7	26.8	30.9	32.9	35.2
2573.7	2603.7	6.81	6.61	6.51	2603.7	23.3	25.1	27.0	31.5	33.3	35.4
2600.0	2630.0	7.05	6.95	6.85	2630.0	23.2	25.1	27.1	31.6	33.5	35.4

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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)		
	+7	+10	+13	+7	+10	+13		+7	+10	+13
830.0	3.95	3.95	3.86	2.16	1.59	1.77	0.5	1.07	1.22	1.35
893.2	2.96	2.88	2.80	2.01	1.54	1.82	0.8	1.05	1.21	1.33
1024.7	2.04	2.04	1.97	1.87	1.58	1.92	1.0	1.05	1.20	1.33
1030.0	2.01	2.01	1.94	1.88	1.59	1.97	5.0	1.06	1.21	1.34
1156.3	1.23	1.19	1.13	1.77	1.59	1.99	10.0	1.07	1.22	1.35
1287.9	1.27	1.34	1.35	1.67	1.53	1.89	40.0	1.16	1.26	1.36
1419.5	1.67	1.74	1.76	1.67	1.42	1.78	63.3	1.23	1.29	1.38
1551.1	1.76	1.87	1.92	1.51	1.33	1.78	126.4	1.38	1.40	1.46
1682.6	1.74	1.71	1.75	1.42	1.23	1.78	189.6	1.48	1.54	1.62
1814.2	1.55	1.42	1.36	1.36	1.21	1.81	240.0	1.57	1.64	1.74
1945.8	2.84	2.58	2.43	1.55	1.34	1.89	252.7	1.58	1.65	1.75
2000.0	2.43	2.23	2.06	1.61	1.37	1.91	315.9	1.76	1.84	1.89
2030.0	2.03	1.87	1.75	1.68	1.41	1.91	379.0	1.91	1.96	2.01
2077.4	2.20	2.08	1.99	1.81	1.43	1.85	442.2	2.12	2.16	2.23
2208.9	2.12	1.96	1.87	2.12	1.54	1.82	500.0	2.04	2.06	2.10
2340.5	1.26	1.15	1.12	2.61	1.81	1.84	505.3	2.03	2.04	2.08
2472.1	1.76	1.85	1.94	3.38	2.12	1.85	568.5	1.94	1.97	1.99
2530.0	2.40	2.52	2.61	3.71	2.25	1.87	600.0	1.88	1.91	1.92
2603.7	3.21	3.57	3.64	4.32	2.43	1.87	631.6	1.84	1.88	1.89
2630.0	3.44	3.86	4.03	4.77	2.58	1.91	694.8	1.85	1.91	1.96