

Frequency Mixer

LRMS-ED6326/2

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
1.0	31.0	7.33	6.93	6.63	31.0	71.2	76.2	78.9	60.8	59.1	57.9
2.4	32.4	6.98	6.68	6.38	32.4	70.2	75.7	79.4	61.0	59.1	57.6
5.0	35.0	6.84	6.44	6.34	35.0	70.0	77.1	79.6	60.5	58.7	57.3
6.9	36.9	6.80	6.40	6.30	36.9	69.8	76.0	80.4	60.5	58.5	57.0
10.0	40.0	6.74	6.44	6.34	40.0	70.0	76.5	80.9	60.0	57.8	56.6
19.7	49.7	6.79	6.49	6.39	49.7	68.1	76.4	85.1	59.4	56.7	55.4
50.0	80.0	6.85	6.65	6.55	80.0	63.4	69.4	76.1	57.1	53.7	52.1
56.7	86.7	6.83	6.53	6.33	86.7	62.1	68.3	74.0	56.5	53.2	51.6
100.0	130.0	6.90	6.60	6.50	130.0	56.6	60.8	64.3	54.2	50.7	48.5
163.1	193.1	6.99	6.79	6.59	193.1	51.1	54.3	56.8	50.5	47.1	45.0
469.3	499.3	7.87	7.27	6.87	499.3	38.2	40.3	42.0	36.7	36.0	35.1
700.0	730.0	9.05	7.95	7.55	730.0	33.8	36.0	37.6	32.4	32.0	31.4
800.0	830.0	9.26	8.46	8.06	830.0	32.3	34.4	36.0	31.7	31.4	30.7
1000.0	1030.0	9.63	8.93	8.53	1030.0	29.9	32.0	33.6	30.1	31.2	31.1
1350.1	1380.1	9.02	8.62	8.42	1380.1	27.8	29.0	30.3	27.9	28.6	28.6
1485.0	1515.0	8.96	8.56	8.26	1515.0	27.5	28.4	29.5	28.6	28.6	28.1
1620.0	1650.0	8.74	8.24	8.04	1650.0	27.5	28.4	29.6	29.7	28.9	27.8
1755.0	1785.0	9.02	8.22	8.02	1785.0	28.1	29.3	30.3	30.5	28.9	27.3
1890.0	1920.0	9.25	8.35	7.95	1920.0	29.1	29.4	29.4	31.5	29.2	27.3
1970.0	2000.0	9.55	8.55	8.15	2000.0	29.0	28.2	27.4	30.9	28.8	27.0

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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
31.0	1.49	2.23	3.06	1.29	1.31	1.35	1.0	1.54	1.67	1.81
32.4	1.49	2.18	3.06	1.17	1.16	1.21	1.5	1.40	1.54	1.67
35.0	1.52	2.20	3.06	1.11	1.08	1.13	3.5	1.19	1.33	1.49
36.9	1.50	2.20	3.11	1.11	1.06	1.12	5.0	1.14	1.29	1.46
40.0	1.54	2.20	3.11	1.09	1.04	1.11	8.7	1.09	1.25	1.43
49.7	1.48	2.20	3.11	1.10	1.02	1.11	10.0	1.08	1.25	1.43
80.0	1.51	2.18	3.01	1.08	1.05	1.13	21.1	1.05	1.24	1.41
86.7	1.49	2.23	2.96	1.08	1.06	1.13	50.0	1.05	1.23	1.41
130.0	1.51	2.18	3.01	1.07	1.05	1.12	125.9	1.09	1.26	1.43
193.1	1.55	2.23	3.01	1.13	1.04	1.03	307.3	1.16	1.31	1.48
499.3	1.69	2.32	3.11	1.85	1.76	1.69	500.0	1.15	1.41	1.64
730.0	1.75	2.27	2.96	2.92	2.65	2.52	600.0	1.22	1.54	1.77
830.0	1.87	2.46	3.21	3.21	3.01	2.84	750.1	1.43	1.77	2.03
1030.0	1.89	2.40	3.01	3.26	3.01	2.84	825.0	1.58	1.96	2.23
1380.1	2.32	2.65	3.16	2.92	2.76	2.65	900.0	1.80	2.25	2.55
1515.0	2.65	2.80	3.26	2.23	2.08	2.01	975.0	1.99	2.49	2.84
1650.0	2.72	2.72	3.01	2.49	2.20	2.04	1050.0	2.10	2.61	3.01
1785.0	2.84	2.72	2.88	1.88	1.64	1.50	1125.0	2.12	2.55	2.92
1920.0	2.72	2.52	2.58	1.49	1.32	1.24	1200.0	2.10	2.49	2.76
2000.0	2.84	2.52	2.58	1.36	1.26	1.26	1275.0	2.14	2.52	2.76