

Frequency Mixer

LRMS-ED6325/1

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)		
		+10	+13	+16		+10	+13	+16	+10	+13	+16
10.0	60.0	8.27	7.97	7.67	60.0	41.8	46.7	53.8	30.5	33.7	37.7
30.0	80.0	7.63	7.33	7.03	80.0	44.4	50.3	60.8	31.5	35.1	39.3
45.0	95.0	7.38	7.08	6.88	95.0	46.2	53.3	71.4	32.1	35.7	40.0
100.0	150.0	7.04	6.84	6.64	150.0	52.9	74.1	55.5	33.1	36.8	39.2
166.8	216.8	7.13	6.93	6.63	216.8	67.1	54.6	50.4	33.7	36.2	35.7
200.0	250.0	7.24	7.04	6.64	250.0	58.8	50.6	47.8	34.0	35.7	34.2
333.4	383.4	7.43	7.03	6.73	383.4	44.7	43.2	42.3	34.8	33.2	31.1
400.0	450.0	7.55	7.15	6.75	450.0	41.4	40.5	40.2	34.6	31.8	30.0
500.1	550.1	7.46	6.96	6.76	550.1	38.3	38.1	38.1	32.9	30.1	28.3
666.7	716.7	7.80	7.40	7.10	716.7	34.2	34.5	34.9	31.2	28.7	26.9
833.4	883.4	7.63	7.23	7.03	883.4	31.2	31.6	32.4	27.2	25.7	24.7
1000.1	1050.1	7.59	7.19	7.09	1050.1	28.4	29.5	30.9	25.4	24.4	23.6
1166.7	1216.7	7.83	7.53	7.33	1216.7	26.6	27.8	29.2	25.9	24.6	23.5
1333.4	1383.4	7.82	7.52	7.42	1383.4	25.4	26.8	28.5	25.3	23.5	22.1
1500.1	1550.1	8.16	7.76	7.56	1550.1	24.5	26.1	27.6	25.1	23.4	21.8
1666.7	1716.7	8.51	8.11	7.81	1716.7	24.2	25.9	27.4	24.2	23.6	22.2
1833.4	1883.4	8.79	8.29	7.99	1883.4	23.1	24.7	26.2	23.6	23.9	22.9
1950.0	2000.0	9.00	8.30	8.10	2000.0	22.9	23.8	25.0	22.7	23.8	23.6
2000.0	2050.0	8.96	8.36	8.16	2050.0	23.0	24.0	24.6	22.2	23.4	23.6
2166.7	2216.7	8.95	8.45	8.15	2216.7	24.7	25.7	25.7	22.1	22.8	22.8

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RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+10	+13	+16	+10	+13	+16		+10	+13	+16
60.0	1.61	2.25	3.38	1.89	1.92	1.96	10.0	1.70	2.03	2.37
80.0	1.60	2.30	3.50	1.33	1.38	1.44	13.9	1.63	1.94	2.27
95.0	1.57	2.30	3.50	1.23	1.28	1.35	31.7	1.48	1.78	2.08
150.0	1.54	2.30	3.50	1.10	1.16	1.25	50.0	1.43	1.73	2.04
216.8	1.56	2.23	3.38	1.04	1.08	1.16	72.1	1.41	1.71	2.03
250.0	1.60	2.37	3.79	1.03	1.05	1.14	164.1	1.39	1.69	1.99
383.4	1.59	2.16	3.21	1.10	1.07	1.13	373.4	1.44	1.70	1.96
450.0	1.57	2.20	3.32	1.18	1.15	1.17	850.1	1.54	1.70	1.84
550.1	1.49	2.06	3.01	1.23	1.23	1.25	927.3	1.57	1.73	1.87
716.7	1.37	1.91	2.76	1.48	1.43	1.41	1000.0	1.76	1.89	1.96
883.4	1.31	1.84	2.65	1.68	1.64	1.59	1004.6	1.56	1.70	1.82
1050.1	1.40	1.84	2.58	1.96	1.87	1.80	1081.9	1.51	1.61	1.71
1216.7	1.48	1.75	2.37	2.43	2.30	2.20	1159.1	1.44	1.51	1.58
1383.4	1.58	1.62	2.08	2.52	2.43	2.32	1236.4	1.40	1.44	1.48
1550.1	1.59	1.43	1.69	2.61	2.49	2.37	1313.7	1.43	1.44	1.44
1716.7	1.64	1.29	1.43	2.68	2.52	2.43	1390.9	1.48	1.46	1.42
1883.4	1.87	1.28	1.23	3.06	2.88	2.68	1468.2	1.53	1.47	1.41
2000.0	2.16	1.43	1.07	3.57	3.32	3.11	1545.5	1.54	1.47	1.38
2050.0	2.20	1.46	1.13	3.79	3.50	3.21	1622.7	1.54	1.44	1.33
2216.7	2.40	1.82	1.60	3.79	3.38	3.01	1700.0	1.50	1.39	1.28