

Frequency Mixer

RMS-ED6441

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)		
		+4	+7	+10		+4	+7	+10	+4	+7	+10
866.7	896.7	6.82	6.42	6.22	896.7	30.6	31.3	32.2	15.6	17.5	19.1
1000.0	1163.3	6.54	6.14	5.94	1163.3	31.8	31.1	30.8	19.4	21.6	23.4
1133.3	1163.3	6.56	6.26	6.06	1163.3	32.1	31.9	31.6	22.3	25.2	28.1
1266.7	1296.7	6.43	6.13	6.13	1296.7	33.2	33.1	33.0	24.8	29.0	34.4
1370.0	1400.0	6.77	6.57	6.47	1400.0	32.5	33.3	33.8	25.8	29.8	34.9
1400.0	1430.0	6.84	6.74	6.74	1430.0	32.3	33.3	34.0	26.0	29.7	34.3
1500.0	1530.0	7.22	7.12	7.02	1530.0	32.1	33.1	33.9	26.4	29.8	33.7
1533.3	1563.3	7.31	7.21	7.01	1563.3	32.5	33.3	34.2	26.3	29.9	33.5
1666.7	1696.7	7.27	7.07	7.17	1696.7	35.8	36.6	37.3	25.8	28.7	32.1
1800.0	1830.0	7.29	7.19	7.19	1830.0	43.2	44.6	46.3	24.9	27.5	30.4
1933.3	1963.3	6.98	6.88	6.98	1963.3	39.5	42.2	44.7	25.1	27.7	30.2
2066.7	2096.7	6.95	6.85	6.85	2096.7	34.3	36.4	38.3	26.1	28.5	30.8
2170.0	2200.0	7.31	7.01	6.91	2200.0	30.9	32.8	34.5	26.5	28.7	30.9
2200.0	2230.0	7.41	7.21	7.11	2230.0	30.1	31.8	33.4	26.6	28.7	30.7
2333.3	2363.3	7.97	7.57	7.47	2363.3	26.5	28.0	29.5	27.3	29.1	30.7
2370.0	2400.0	8.12	7.62	7.52	2400.0	25.5	27.2	28.7	27.5	29.3	31.0
2466.7	2496.7	8.22	7.62	7.52	2496.7	23.6	25.1	26.7	28.0	29.6	31.0
2600.0	2630.0	8.28	7.58	7.38	2630.0	21.1	22.9	24.4	28.2	29.5	30.6
2733.3	2763.3	8.50	7.90	7.70	2763.3	19.6	21.4	22.6	28.6	29.5	30.1
2800.0	2830.0	8.99	8.19	7.99	2830.0	19.0	20.9	22.0	28.8	29.8	30.0

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RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+4	+7	+10	+4	+7	+10		+4	+7	+10
896.7	2.80	2.68	2.61	1.81	1.85	2.27	0.5	1.05	1.18	1.26
1030.0	1.82	1.76	1.76	1.75	1.99	2.61	0.8	1.04	1.16	1.25
1163.3	1.26	1.32	1.39	1.70	1.99	2.55	1.0	1.04	1.16	1.24
1296.7	1.65	1.78	1.85	1.68	2.01	2.58	10.0	1.07	1.19	1.27
1400.0	2.04	2.14	2.18	1.43	1.89	2.55	41.8	1.16	1.23	1.30
1430.0	2.12	2.18	2.27	1.39	1.82	2.43	50.0	1.18	1.25	1.31
1530.0	2.27	2.37	2.49	1.39	1.85	2.40	83.4	1.29	1.34	1.40
1563.3	2.30	2.43	2.49	1.40	1.92	2.55	125.1	1.40	1.45	1.50
1696.7	2.84	2.88	2.96	1.39	1.96	2.58	166.8	1.54	1.59	1.63
1830.0	3.26	3.38	3.44	1.51	2.14	3.01	208.4	1.64	1.70	1.76
1963.3	3.11	3.16	3.21	1.76	2.30	3.06	250.1	1.73	1.78	1.85
2096.7	3.16	3.01	2.96	2.20	2.58	3.32	291.7	1.87	1.94	2.01
2200.0	3.11	2.92	2.80	2.55	2.68	3.32	333.4	2.01	2.08	2.18
2230.0	3.21	2.96	2.84	2.58	2.68	3.21	350.0	2.04	2.14	2.23
2363.3	3.50	3.26	3.11	3.21	2.92	3.21	375.1	2.14	2.23	2.30
2400.0	3.50	3.26	3.11	3.38	2.96	3.21	416.7	2.35	2.46	2.55
2496.7	3.26	2.96	2.76	3.86	3.11	3.21	458.4	2.46	2.58	2.68
2630.0	2.52	2.30	2.14	4.42	3.32	3.16	500.1	2.49	2.65	2.72
2763.3	1.84	1.65	1.59	4.12	3.21	2.84	541.7	2.55	2.68	2.80
2830.0	1.64	1.48	1.43	4.32	3.16	2.72	583.4	2.49	2.58	2.68