

Frequency Mixer

LRMS-ED6047/1

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)		
		+4	+7	+10		+4	+7	+10	+4	+7	+10
1.0	31.0	7.36	6.86	6.66	31.0	62.4	63.9	65.3	53.2	50.3	48.8
1.5	31.5	6.98	6.48	6.28	31.5	62.5	63.9	64.9	53.2	50.0	48.8
2.0	32.0	6.81	6.31	6.11	32.0	62.1	63.8	64.9	52.8	50.0	48.7
2.5	32.5	6.72	6.22	6.02	32.5	62.0	64.0	64.8	52.9	49.8	48.5
5.0	35.0	6.40	6.00	5.80	35.0	61.7	63.3	64.2	52.4	49.4	47.9
10.0	40.0	6.31	5.91	5.81	40.0	60.7	62.3	63.1	51.4	48.3	46.8
20.0	50.0	6.37	5.97	5.77	50.0	59.0	60.2	61.3	49.4	46.4	45.1
75.1	105.1	6.34	5.94	5.84	105.1	51.5	52.6	53.6	44.3	41.2	39.8
150.1	180.1	6.37	5.97	5.87	180.1	46.1	47.5	48.3	41.1	37.9	36.3
220.0	250.0	6.40	6.10	5.90	250.0	43.1	43.9	44.7	38.3	35.9	34.4
225.1	255.1	6.35	6.05	5.95	255.1	42.9	43.7	44.3	38.1	35.7	34.1
250.0	280.0	6.41	6.01	5.91	280.0	42.3	43.1	43.6	37.0	34.9	33.2
300.1	330.1	6.44	6.04	5.84	330.1	40.1	40.8	41.5	34.7	33.4	32.3
375.1	405.1	6.55	6.15	6.05	405.1	38.8	39.3	39.8	31.4	31.2	30.4
450.1	480.1	6.55	6.25	6.05	480.1	37.5	38.4	38.9	28.3	28.5	28.2
470.0	500.0	6.55	6.25	6.05	500.0	37.1	37.9	38.2	27.6	27.9	27.5
500.0	530.0	6.53	6.23	6.13	530.0	36.5	37.2	37.6	26.8	26.9	26.5
525.1	555.1	6.54	6.24	6.14	555.1	36.0	36.8	37.3	26.5	26.4	26.1
600.1	630.1	6.92	6.42	6.32	630.1	34.3	35.7	36.5	25.1	25.6	25.1
675.1	705.1	7.19	6.79	6.49	705.1	32.8	34.6	35.5	23.5	25.0	24.8

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RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+4	+7	+10	+4	+7	+10		+4	+7	+10
31.0	1.48	2.40	3.26	1.57	1.59	1.60	1.0	1.77	1.49	1.35
31.5	1.48	2.43	3.26	1.41	1.42	1.44	5.0	1.75	1.47	1.33
32.0	1.49	2.37	3.26	1.33	1.33	1.35	10.0	1.75	1.46	1.33
32.5	1.48	2.43	3.26	1.27	1.28	1.30	30.1	1.74	1.46	1.32
35.0	1.47	2.43	3.32	1.16	1.15	1.17	60.1	1.74	1.46	1.32
40.0	1.48	2.43	3.26	1.11	1.07	1.11	90.1	1.73	1.45	1.32
50.0	1.48	2.43	3.32	1.08	1.04	1.09	120.1	1.69	1.43	1.31
105.1	1.47	2.37	3.32	1.04	1.08	1.13	150.1	1.66	1.42	1.30
180.1	1.48	2.46	3.26	1.06	1.09	1.14	180.1	1.66	1.41	1.30
250.0	1.53	2.49	3.38	1.02	1.10	1.15	210.1	1.66	1.41	1.31
255.1	1.54	2.49	3.38	1.01	1.10	1.15	240.1	1.65	1.41	1.30
280.0	1.54	2.43	3.26	1.02	1.13	1.18	270.1	1.65	1.41	1.31
330.1	1.59	2.55	3.50	1.05	1.16	1.22	300.1	1.65	1.43	1.32
405.1	1.71	2.65	3.50	1.09	1.19	1.25	330.0	1.66	1.44	1.34
480.1	1.74	2.72	3.50	1.23	1.32	1.38	360.0	1.70	1.46	1.35
500.0	1.81	2.80	3.64	1.28	1.39	1.45	390.0	1.70	1.48	1.37
530.0	1.82	2.80	3.79	1.34	1.46	1.52	420.0	1.71	1.48	1.40
555.1	1.87	2.76	3.50	1.37	1.48	1.55	450.0	1.71	1.50	1.41
630.1	1.96	2.92	3.71	1.43	1.57	1.64	480.0	1.74	1.53	1.44
705.1	2.06	3.06	4.03	1.50	1.62	1.70	510.0	1.73	1.51	1.43