

Frequency Mixer

LRMS-2UJ

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
10.0	40.0	5.89	5.69	5.59	10.0	54.1	55.1	56.0	56.6	57.4	57.3
20.0	50.0	6.01	5.78	5.68	20.0	53.0	53.8	54.6	53.6	52.7	52.0
39.1	69.1	6.18	5.90	5.76	39.1	50.7	52.0	51.8	49.0	47.2	47.0
50.0	80.0	6.14	5.88	5.74	50.0	49.5	51.3	50.3	47.0	45.1	45.3
68.2	98.2	6.06	5.83	5.72	68.2	47.9	49.3	48.1	44.4	42.5	42.6
100.0	70.0	5.97	5.82	5.72	100.0	45.5	46.2	45.9	41.7	39.6	39.2
126.5	96.5	6.14	5.90	5.76	126.5	43.9	44.6	44.6	39.8	37.8	37.1
155.6	125.6	6.30	6.04	5.88	155.5	42.7	43.3	43.5	38.4	36.0	34.8
230.0	170.0	6.65	6.28	6.03	200.0	41.6	42.4	43.0	36.8	34.2	33.1
242.9	212.9	6.76	6.39	6.13	242.9	41.4	42.5	43.0	35.7	32.5	30.6
301.2	271.2	7.02	6.60	6.33	301.2	41.4	42.4	43.3	34.4	31.3	29.4
330.3	300.3	6.95	6.58	6.24	330.3	41.6	42.5	42.7	33.9	30.7	28.6
388.5	358.5	7.27	6.70	6.44	388.5	40.9	42.6	42.7	32.3	29.2	27.4
446.8	416.8	7.04	6.58	6.19	446.8	36.9	38.4	39.5	31.2	28.7	27.1
500.0	470.0	7.16	6.61	6.26	500.0	35.5	35.5	36.6	29.6	27.4	26.2
592.4	562.4	7.38	6.89	6.59	592.4	36.0	34.4	33.6	31.1	28.3	26.5
708.8	678.8	7.84	7.34	6.97	708.8	35.4	34.7	33.7	31.8	29.2	28.3
796.2	766.2	8.02	7.61	7.33	796.2	31.9	30.9	30.3	29.2	28.0	28.8
912.6	882.6	8.34	7.98	7.68	912.6	31.4	29.1	27.8	25.6	26.4	30.6
1000.0	970.0	8.63	8.28	8.07	1000.0	31.2	28.2	26.4	22.4	24.1	28.8



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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
10.0	1.79	1.73	1.67	1.70	2.45	3.47	10.0	1.71	1.65	1.65
20.0	1.70	1.63	1.56	1.76	2.59	3.63	20.0	1.38	1.34	1.35
39.1	1.69	1.61	1.54	1.72	2.49	3.54	39.1	1.25	1.20	1.21
50.0	1.71	1.63	1.56	1.69	2.47	3.48	50.0	1.23	1.17	1.19
68.2	1.75	1.67	1.59	1.68	2.44	3.43	68.2	1.21	1.14	1.16
100.0	1.80	1.72	1.63	1.69	2.43	3.38	100.0	1.20	1.12	1.14
155.6	1.91	1.81	1.73	1.74	2.44	3.25	155.6	1.18	1.11	1.15
184.7	1.98	1.87	1.78	1.68	2.40	3.15	184.7	1.16	1.11	1.16
200.0	1.99	1.89	1.80	1.70	2.35	3.15	200.0	1.15	1.11	1.17
242.9	2.09	1.97	1.88	1.70	2.33	3.12	242.9	1.13	1.12	1.19
301.2	2.27	2.12	2.02	1.71	2.29	3.02	301.2	1.11	1.16	1.25
359.4	2.40	2.25	2.13	1.74	2.25	2.92	359.4	1.12	1.22	1.32
388.5	2.47	2.31	2.19	1.75	2.23	2.89	388.5	1.14	1.26	1.36
446.8	2.67	2.47	2.33	1.77	2.21	2.84	446.8	1.21	1.36	1.48
500.0	2.39	2.20	2.06	1.84	2.29	2.91	500.0	1.37	1.54	1.65
534.1	2.61	2.43	2.31	1.85	2.28	2.87	534.1	1.39	1.56	1.68
592.4	2.76	2.57	2.45	1.86	2.29	2.89	592.4	1.53	1.71	1.83
737.9	3.00	2.83	2.74	1.92	2.31	2.86	737.9	2.04	2.24	2.39
854.4	3.18	3.03	2.91	2.02	2.30	2.82	854.4	2.48	2.68	2.81
1000.0	3.52	3.42	3.27	2.17	2.32	2.72	1000.0	3.14	3.24	3.30

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