

Frequency Mixer

LRMS-2R

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
5.0	35.0	7.36	6.93	6.73	5.0	63.5	67.4	71.5	54.1	57.2	60.9
10.0	40.0	7.46	7.00	6.77	10.0	62.6	66.5	69.9	53.9	56.9	60.1
20.0	50.0	7.48	6.97	6.74	20.0	62.6	65.9	67.4	54.3	56.8	58.5
35.2	65.2	7.44	6.92	6.69	35.2	61.5	62.9	63.6	54.4	55.6	56.0
50.0	80.0	7.34	6.86	6.64	50.0	59.5	60.5	60.5	53.6	53.9	53.5
65.3	95.3	7.34	6.89	6.83	65.3	58.5	58.5	58.3	52.7	52.2	51.4
100.0	70.0	7.28	6.84	6.63	100.0	55.4	55.1	54.8	50.3	48.9	47.9
155.8	125.8	7.13	6.72	6.69	155.8	52.3	52.1	52.0	47.8	46.2	45.2
200.0	170.0	7.05	6.70	6.57	200.0	50.0	49.8	49.5	46.6	44.7	43.4
246.2	216.2	7.10	6.75	6.62	246.2	48.3	48.1	47.9	45.7	43.7	42.1
306.5	276.5	7.36	6.96	6.76	306.5	45.9	45.8	45.9	44.2	42.0	40.4
366.8	336.8	7.32	6.97	6.74	366.8	44.5	44.5	44.6	41.9	39.7	38.2
427.1	397.1	7.33	6.99	6.72	427.1	42.0	42.1	41.9	39.6	37.8	36.2
500.0	470.0	7.39	7.03	6.79	500.0	39.8	39.9	40.1	36.4	35.1	34.0
577.9	547.9	7.76	7.29	6.96	577.9	38.5	38.5	38.6	34.0	32.6	31.2
668.3	638.3	8.01	7.63	7.29	668.3	37.0	36.9	36.8	30.5	29.5	28.2
758.8	728.8	8.26	7.68	7.26	758.8	35.1	34.7	34.3	27.6	26.7	25.8
849.2	819.2	8.75	7.98	7.47	849.2	33.5	33.1	32.9	24.5	23.7	23.1
909.5	879.5	9.29	8.51	7.90	909.5	32.7	32.5	32.3	22.8	22.4	21.6
1000.0	970.0	9.54	8.90	8.34	1000.0	32.2	32.0	31.8	20.4	20.2	19.6

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IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant

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Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)			LO/RF (MHz)	max. DC output (mV)	DC Offset (mV)
	@LO (dBm)			@LO (dBm)				@LO (dBm)			@LO (dBm)		
	+10	+13	+16	+10	+13	+16		+10	+13	+16	+13		
5.0	1.30	1.35	1.38	1.72	2.44	3.27	5.0	1.40	1.22	1.11	10.0	230.4	-0.33
10.0	1.19	1.25	1.29	1.68	2.37	3.24	10.0	1.41	1.22	1.11	20.0	229.7	-0.33
20.0	1.15	1.22	1.27	1.80	2.52	3.36	20.0	1.42	1.23	1.12	39.1	228.1	-0.33
35.2	1.15	1.22	1.28	1.79	2.57	3.40	35.2	1.43	1.23	1.11	50.0	228.0	-0.30
50.0	1.15	1.23	1.29	1.77	2.54	3.37	50.0	1.45	1.24	1.12	68.2	225.8	-0.27
65.3	1.15	1.23	1.29	1.75	2.49	3.29	65.3	1.45	1.24	1.12	97.4	226.8	-0.27
100.0	1.15	1.22	1.28	1.70	2.44	3.24	100.0	1.45	1.25	1.13	126.5	227.3	-0.01
155.8	1.14	1.22	1.27	1.72	2.43	3.29	155.8	1.45	1.25	1.14	184.7	231.2	-0.21
200.0	1.15	1.23	1.28	1.68	2.36	3.19	200.0	1.46	1.27	1.16	213.8	228.9	-0.14
246.2	1.16	1.23	1.28	1.69	2.37	3.14	246.2	1.47	1.28	1.17	272.1	232.0	-0.06
306.5	1.18	1.25	1.30	1.71	2.40	3.16	306.5	1.51	1.31	1.20	330.3	243.0	0.13
366.8	1.21	1.27	1.32	1.75	2.39	3.15	366.8	1.54	1.34	1.23	388.5	241.6	0.44
427.1	1.24	1.30	1.35	1.81	2.44	3.24	427.1	1.56	1.37	1.26	446.8	221.4	1.08
500.0	1.30	1.36	1.41	1.91	2.58	3.36	500.0	1.55	1.35	1.25	505.0	210.1	0.90
577.9	1.39	1.44	1.49	2.07	2.74	3.57	577.9	1.61	1.43	1.33	592.4	199.0	0.85
668.3	1.52	1.56	1.61	2.26	2.95	3.85	668.3	1.63	1.46	1.36	679.7	195.2	1.19
758.8	1.68	1.72	1.77	2.50	3.17	4.04	758.8	1.62	1.46	1.37	767.1	196.7	2.99
849.2	1.91	1.95	1.99	2.81	3.58	4.39	849.2	1.59	1.44	1.37	854.4	185.4	3.77
909.5	2.09	2.13	2.17	2.96	3.70	4.51	909.5	1.56	1.43	1.37	912.6	176.7	4.58
1000.0	2.44	2.45	2.48	3.15	3.80	4.52	1000.0	1.49	1.38	1.33	1000.0	174.3	5.34

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