

Frequency Mixer

LRMS-ED6699/2

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
250.0	280.0	8.19	6.39	6.09	280.0	45.0	45.5	46.9	42.1	41.7	43.9
350.0	380.0	7.23	6.23	6.03	380.0	40.5	42.5	44.1	37.5	38.2	40.9
450.0	480.0	6.60	5.90	5.60	480.0	37.6	39.1	40.7	33.7	35.8	38.5
550.0	580.0	6.68	5.98	5.68	580.0	37.0	39.1	41.3	32.2	33.2	35.8
650.0	680.0	6.43	6.03	5.73	680.0	35.7	38.1	40.0	30.9	32.6	34.3
740.0	770.0	6.39	5.89	5.59	770.0	32.2	34.3	35.9	29.3	32.3	35.8
750.0	780.0	6.45	5.85	5.65	780.0	31.8	33.8	35.4	29.2	32.4	36.1
824.0	854.0	6.33	5.63	5.43	854.0	29.1	30.6	32.6	28.5	31.8	34.4
850.0	880.0	6.52	5.82	5.52	880.0	28.9	30.5	32.3	27.6	30.7	33.1
950.0	980.0	7.03	6.23	5.73	980.0	28.9	30.5	32.1	25.3	27.3	29.5
970.0	1000.0	7.05	6.25	5.75	1000.0	28.8	30.9	32.7	25.1	26.6	28.9
1050.0	1080.0	7.30	6.70	6.30	1080.0	29.0	31.2	33.3	25.2	26.6	28.2
1150.0	1180.0	8.10	7.50	6.80	1180.0	27.2	29.3	30.8	24.9	26.7	28.6
1250.0	1280.0	7.69	6.79	6.09	1280.0	26.0	28.2	30.1	23.7	25.0	26.1
1350.0	1380.0	6.67	6.07	5.67	1380.0	26.9	29.2	31.4	21.9	23.1	24.5
1400.0	1430.0	6.57	5.97	5.77	1430.0	27.6	30.3	33.1	21.1	22.4	23.7
1450.0	1480.0	6.51	6.11	5.81	1480.0	27.6	30.1	32.9	21.0	22.1	23.0
1500.0	1530.0	6.74	6.24	5.84	1530.0	27.8	30.6	33.6	21.2	22.0	22.5
1550.0	1580.0	6.87	6.27	6.07	1580.0	28.5	31.7	34.6	21.6	22.0	22.0
1600.0	1630.0	7.18	6.58	6.18	1630.0	28.9	32.1	35.2	21.9	21.7	21.2

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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
280.0	2.61	2.14	1.99	3.57	2.08	1.69	10.0	3.11	2.10	1.50
380.0	2.30	1.97	1.87	3.64	1.96	1.69	31.9	2.55	1.89	1.42
480.0	2.08	1.82	1.73	3.16	1.81	1.73	63.7	2.58	1.89	1.43
580.0	2.04	1.85	1.76	2.76	1.76	1.88	95.5	2.52	1.87	1.43
680.0	1.91	1.76	1.67	2.30	1.74	1.99	127.4	2.46	1.87	1.43
770.0	1.87	1.71	1.63	2.12	1.80	2.20	159.2	2.52	1.89	1.45
780.0	1.85	1.69	1.61	2.12	1.80	2.23	191.0	2.46	1.89	1.47
854.0	1.73	1.59	1.55	1.82	1.75	2.27	200.0	2.37	1.85	1.46
880.0	1.76	1.61	1.57	1.80	1.76	2.35	222.8	2.40	1.88	1.49
980.0	1.78	1.60	1.51	1.66	1.87	2.49	254.6	2.40	1.88	1.50
1000.0	1.75	1.57	1.47	1.63	1.87	2.55	286.4	2.46	1.94	1.54
1080.0	1.75	1.66	1.57	1.59	2.06	2.76	300.0	2.43	1.91	1.54
1180.0	1.81	1.68	1.59	1.66	2.27	3.01	318.2	2.49	1.96	1.58
1280.0	1.59	1.42	1.28	1.71	2.43	3.38	350.1	2.49	1.96	1.59
1380.0	1.46	1.39	1.37	1.68	2.40	3.38	381.9	2.52	2.01	1.63
1430.0	1.55	1.53	1.53	1.70	2.52	3.64	400.0	2.58	2.04	1.66
1480.0	1.69	1.69	1.69	1.74	2.49	3.50	413.7	2.61	2.08	1.70
1530.0	1.91	1.89	1.89	1.88	2.76	4.03	445.5	2.61	2.10	1.74
1580.0	2.20	2.18	2.16	2.04	2.80	3.79	477.3	2.58	2.10	1.76
1630.0	2.65	2.55	2.52	2.35	3.16	4.22	500.0	2.65	2.27	1.77