

Frequency Mixer

ADE-ED6913/1

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)		
		0	+3	+6		0	+3	+6	0	+3	+6
110.0	10.0	7.00	6.40	5.80	10.0	64.7	67.2	68.8	60.6	62.7	66.2
150.0	50.0	7.29	5.99	6.19	50.0	54.3	55.1	55.9	59.0	58.2	57.7
192.8	92.8	6.94	6.34	5.94	92.8	48.7	49.5	50.4	55.8	54.4	52.8
250.0	150.0	7.06	6.36	5.96	150.0	44.7	45.6	46.7	52.8	51.1	49.6
275.6	175.6	7.00	6.30	6.00	175.6	43.5	44.3	45.3	51.2	49.6	48.5
358.3	258.3	6.87	6.37	6.07	258.3	40.4	41.2	42.1	47.4	46.3	45.2
441.1	341.1	6.86	6.36	6.06	341.1	38.4	39.2	40.0	43.7	43.3	42.7
523.9	423.9	6.77	6.37	5.97	423.9	37.0	37.8	38.6	39.7	40.1	40.0
596.0	496.0	7.08	6.58	6.18	496.0	36.2	37.0	37.7	37.0	37.0	38.3
606.7	506.7	7.04	6.64	6.24	506.7	36.0	36.8	37.6	36.7	36.7	37.8
610.0	510.0	7.09	6.59	6.19	510.0	36.0	36.7	37.5	36.6	36.6	37.7
620.0	520.0	7.03	6.63	6.23	520.0	35.9	36.7	37.4	36.5	36.3	37.3
650.0	550.0	7.05	6.55	6.25	550.0	35.5	36.4	37.2	36.1	35.9	36.7
689.4	589.4	7.03	6.63	6.23	589.4	35.3	36.1	36.8	35.3	35.4	35.5
772.2	672.2	7.33	6.63	6.23	672.2	34.9	35.5	36.3	33.0	34.5	35.4
855.0	755.0	7.67	6.87	6.27	755.0	34.9	35.6	36.0	29.9	32.0	35.0
937.8	837.8	8.11	7.31	6.41	837.8	34.7	35.5	35.7	28.2	29.2	31.9
1000.0	900.0	8.22	7.52	6.72	900.0	34.3	35.4	36.0	27.7	28.2	30.0
1020.6	920.6	8.33	7.53	6.73	920.6	34.3	35.5	36.2	27.5	27.9	29.4
1103.3	1003.3	8.94	8.34	7.44	1003.3	33.7	34.6	35.6	27.3	27.7	28.5

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Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	0	+3	+6	0	+3	+6		0	+3	+6
10.0	1.14	1.63	2.72	1.21	1.14	1.17	0.1	1.66	1.39	1.14
50.0	1.09	1.63	2.68	1.19	1.24	1.25	0.5	1.71	1.43	1.17
92.8	1.10	1.60	2.61	1.21	1.15	1.19	1.0	1.76	1.46	1.19
150.0	1.11	1.63	2.65	1.27	1.22	1.25	5.0	1.74	1.44	1.18
175.6	1.13	1.60	2.65	1.28	1.25	1.28	10.0	1.74	1.44	1.17
258.3	1.18	1.60	2.61	1.32	1.29	1.32	30.0	1.71	1.43	1.18
341.1	1.23	1.59	2.61	1.40	1.35	1.38	50.0	1.70	1.43	1.18
423.9	1.32	1.62	2.55	1.43	1.38	1.40	60.1	1.74	1.44	1.19
496.0	1.38	1.63	2.49	1.46	1.39	1.38	90.1	1.73	1.45	1.20
506.7	1.39	1.66	2.52	1.46	1.40	1.39	100.0	1.69	1.43	1.20
510.0	1.39	1.66	2.55	1.47	1.41	1.39	120.1	1.69	1.44	1.21
520.0	1.39	1.65	2.55	1.50	1.43	1.41	150.1	1.70	1.46	1.24
550.0	1.40	1.63	2.37	1.53	1.46	1.44	180.1	1.70	1.46	1.26
589.4	1.44	1.65	2.49	1.54	1.47	1.45	200.0	1.70	1.47	1.27
672.2	1.48	1.65	2.37	1.59	1.50	1.47	210.1	1.73	1.49	1.28
755.0	1.48	1.69	2.37	1.69	1.57	1.53	240.1	1.75	1.52	1.31
837.8	1.48	1.70	2.43	1.82	1.71	1.64	270.1	1.76	1.54	1.33
900.0	1.51	1.77	2.58	2.10	1.99	1.89	300.1	1.78	1.56	1.36
920.6	1.49	1.78	2.55	2.14	2.03	1.94	330.0	1.84	1.59	1.38
1003.3	1.53	1.81	2.72	2.43	2.35	2.25	360.0	1.91	1.66	1.43