

Frequency Mixer

ADE-ED7923/1

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
2.0	32.0	7.08	6.68	6.28	32.0	57.1	58.2	58.9	60.1	59.6	58.6
5.0	35.0	6.40	5.90	5.60	35.0	59.3	60.3	61.8	62.8	61.7	60.4
10.0	40.0	6.15	5.75	5.45	40.0	59.5	60.3	62.0	69.2	67.1	63.6
20.0	50.0	6.06	5.76	5.46	50.0	56.3	57.2	58.4	63.8	61.9	59.8
50.0	80.0	6.16	5.76	5.56	80.0	55.7	56.6	59.0	68.3	64.1	60.5
63.6	93.6	6.14	5.74	5.54	93.6	53.9	55.0	56.8	66.3	62.9	59.9
100.0	130.0	6.12	5.72	5.52	130.0	49.7	50.7	52.4	63.8	61.8	59.0
127.1	157.1	6.05	5.75	5.45	157.1	49.9	51.1	53.1	54.2	54.8	56.0
190.6	220.6	6.13	5.73	5.53	220.6	46.6	48.3	49.9	45.8	46.8	49.3
250.0	280.0	6.11	5.81	5.51	280.0	44.6	45.8	47.8	41.0	42.0	45.5
254.1	284.1	6.18	5.78	5.48	284.1	44.5	45.6	47.6	40.8	41.8	45.2
317.6	347.6	6.16	5.86	5.56	347.6	43.1	44.3	46.5	37.2	38.7	42.1
381.1	411.1	6.16	5.86	5.46	411.1	41.1	42.6	44.9	35.2	36.8	40.1
444.6	474.6	6.23	5.93	5.63	474.6	40.2	41.6	44.0	33.1	35.0	38.9
500.0	530.0	6.18	5.88	5.58	530.0	39.8	41.0	42.7	32.2	34.1	37.9
508.1	538.1	6.19	5.89	5.59	538.1	39.9	41.2	43.3	32.3	34.2	37.7
571.6	601.6	6.35	5.95	5.65	601.6	39.2	40.7	42.9	30.9	33.3	37.6
635.1	665.1	6.40	6.00	5.70	665.1	38.6	40.1	42.5	29.1	31.1	35.5
698.5	728.5	6.51	6.01	5.71	728.5	37.1	38.3	40.0	27.4	29.1	32.1
762.0	792.0	6.77	6.27	5.87	792.0	36.1	37.1	38.4	26.1	27.7	30.5
825.5	855.5	7.08	6.68	6.08	855.5	35.5	36.8	37.9	25.2	26.8	29.6
889.0	919.0	7.58	6.98	6.38	919.0	34.6	36.0	37.4	25.0	26.1	29.0
952.5	982.5	7.97	7.47	6.77	982.5	33.2	34.8	36.8	25.3	26.7	29.1
970.0	1000.0	8.07	7.57	6.97	1000.0	33.0	34.6	36.6	25.3	26.8	29.3
1000.0	1030.0	8.16	7.66	6.96	1030.0	32.7	34.6	36.7	25.3	26.8	29.5
1016.2	1046.0	8.13	7.73	7.03	1046.0	32.6	34.4	36.4	25.3	26.7	29.3

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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
32.0	1.54	1.54	1.55	1.23	1.63	2.40	0.1	2.25	2.01	1.71
35.0	1.28	1.25	1.25	1.24	1.65	2.37	0.2	2.18	1.96	1.66
40.0	1.19	1.14	1.13	1.23	1.63	2.46	0.5	2.35	2.08	1.76
50.0	1.15	1.08	1.05	1.25	1.63	2.40	1.0	2.43	2.16	1.81
80.0	1.12	1.04	1.05	1.24	1.62	2.43	5.0	2.37	2.10	1.78
93.6	1.11	1.04	1.05	1.24	1.60	2.43	10.0	2.40	2.12	1.78
130.0	1.09	1.02	1.07	1.25	1.63	2.43	50.0	2.32	2.06	1.75
157.1	1.09	1.02	1.08	1.26	1.63	2.49	100.0	2.32	2.08	1.76
220.6	1.08	1.02	1.07	1.27	1.69	2.40	150.1	2.30	2.08	1.78
280.0	1.08	1.04	1.09	1.32	1.67	2.49	200.1	2.30	2.08	1.78
284.1	1.08	1.05	1.09	1.32	1.67	2.49	250.0	2.27	2.08	1.78
347.6	1.10	1.08	1.12	1.37	1.75	2.55	300.1	2.25	2.04	1.78
411.1	1.13	1.12	1.15	1.41	1.80	2.58	350.1	2.20	2.03	1.76
474.6	1.17	1.18	1.22	1.45	1.82	2.52	400.1	2.16	1.97	1.74
530.0	1.20	1.22	1.27	1.54	1.88	2.61	450.1	2.12	1.96	1.73
538.1	1.21	1.23	1.27	1.54	1.89	2.58	500.0	2.10	1.92	1.73
601.6	1.25	1.26	1.30	1.63	1.99	2.72	550.0	2.08	1.91	1.73
665.1	1.32	1.32	1.34	1.71	1.96	2.65	600.0	2.04	1.89	1.73
728.5	1.41	1.40	1.43	1.80	2.08	2.65	650.0	2.03	1.88	1.71
792.0	1.54	1.53	1.53	1.94	2.25	2.96	700.0	1.92	1.82	1.67
855.5	1.73	1.69	1.67	1.99	2.32	3.01	750.0	1.85	1.76	1.63
919.0	1.99	1.96	1.92	2.03	2.30	3.01	800.0	1.76	1.67	1.57
982.5	2.49	2.43	2.37	2.14	2.43	3.16	850.0	1.73	1.62	1.52
1000.0	2.68	2.65	2.52	2.10	2.35	3.01	900.0	1.68	1.58	1.48
1030.0	3.01	2.92	2.84	2.16	2.46	3.16	950.0	1.67	1.56	1.46
1046.2	3.11	3.06	2.96	2.20	2.49	3.32	1000.0	1.67	1.56	1.45