

Frequency Mixer

ADE-ED7906/1

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
50.0	80.0	8.18	6.28	5.68	80.0	56.7	57.7	58.6	70.7	69.8	66.4
76.9	106.9	7.70	6.10	5.60	106.9	54.1	55.0	55.8	76.7	68.2	62.7
100.0	130.0	7.26	5.96	5.56	130.0	51.4	52.6	53.6	62.1	61.8	61.6
151.8	181.8	7.01	5.81	5.41	181.8	48.8	49.9	51.4	56.7	56.4	55.7
226.7	256.7	6.85	5.75	5.45	256.7	45.4	47.2	48.7	51.5	49.7	49.8
250.0	280.0	6.76	5.76	5.46	280.0	45.0	46.6	48.1	49.1	48.0	48.2
301.6	331.6	6.63	5.73	5.53	331.6	43.5	45.5	46.6	45.4	44.9	45.9
376.5	406.5	6.32	5.72	5.42	406.5	41.8	43.7	45.3	41.3	41.9	43.4
451.4	481.4	6.23	5.63	5.43	481.4	40.6	42.6	44.1	38.5	39.2	40.2
500.0	530.0	6.31	5.71	5.51	530.0	40.1	41.9	43.9	37.3	38.5	40.2
526.3	556.3	6.32	5.82	5.52	556.3	39.7	41.3	43.1	36.5	37.9	40.0
600.0	630.0	6.27	5.67	5.47	630.0	39.1	41.0	42.7	35.0	36.2	37.8
676.1	706.1	6.24	5.74	5.54	706.1	38.7	41.0	42.9	33.1	35.2	36.9
700.0	730.0	6.22	5.82	5.62	730.0	38.4	40.9	42.8	32.3	34.6	36.6
750.0	780.0	6.28	5.88	5.68	780.0	37.5	39.5	41.7	30.8	32.9	35.2
800.0	830.0	6.45	5.95	5.65	830.0	36.8	38.8	40.2	29.7	31.4	33.2
825.9	855.9	6.52	6.02	5.72	855.9	36.1	38.1	39.6	29.1	30.6	32.4
900.0	930.0	6.81	6.01	5.61	930.0	35.2	36.7	38.2	27.5	28.6	30.0
970.0	1000.0	7.16	6.26	5.76	1000.0	34.6	36.4	38.0	26.9	28.0	29.5
975.7	1005.7	7.25	6.25	5.75	1005.7	34.4	36.4	38.0	26.9	27.9	29.5
1000.0	1030.0	7.41	6.31	5.81	1030.0	34.5	36.9	38.6	26.9	28.0	29.7
1030.0	1060.0	7.70	6.70	6.00	1060.0	34.6	36.9	38.8	27.0	28.4	29.9
1050.6	1080.6	7.80	6.80	6.10	1080.6	34.8	37.3	39.5	27.1	28.4	30.1
1125.5	1155.5	8.78	7.78	7.08	1155.5	34.8	37.1	38.6	27.4	28.9	30.6

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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
80.0	1.48	1.16	1.01	7.00	3.86	3.21	0.1	2.49	1.84	1.48
106.9	1.38	1.11	1.02	4.53	2.88	2.58	0.5	2.61	1.92	1.56
130.0	1.30	1.08	1.05	3.71	2.55	2.40	1.0	2.72	2.01	1.60
181.8	1.24	1.04	1.09	2.88	2.03	2.10	5.0	2.61	1.94	1.56
256.7	1.20	1.06	1.11	2.49	1.77	1.96	10.0	2.68	1.94	1.58
280.0	1.18	1.08	1.13	2.32	1.70	1.88	30.0	2.55	1.89	1.54
331.6	1.17	1.11	1.16	2.25	1.64	1.89	50.0	2.49	1.87	1.53
406.5	1.18	1.17	1.21	1.99	1.53	1.89	100.0	2.43	1.82	1.51
481.4	1.23	1.24	1.28	1.78	1.44	1.87	150.1	2.35	1.77	1.48
530.0	1.26	1.27	1.32	1.69	1.43	1.91	200.1	2.35	1.77	1.48
556.3	1.28	1.30	1.33	1.61	1.41	1.89	250.1	2.32	1.78	1.51
630.0	1.38	1.40	1.44	1.51	1.43	1.94	300.1	2.37	1.81	1.55
706.1	1.43	1.44	1.48	1.38	1.45	2.06	350.1	2.40	1.84	1.59
730.0	1.45	1.45	1.48	1.32	1.45	1.97	400.1	2.37	1.85	1.62
780.0	1.48	1.46	1.48	1.29	1.54	2.18	500.0	2.32	1.82	1.61
830.0	1.54	1.51	1.51	1.23	1.55	2.20	550.0	2.30	1.82	1.61
855.9	1.62	1.57	1.56	1.22	1.59	2.37	650.0	2.37	1.92	1.70
930.0	1.96	1.88	1.84	1.16	1.63	2.40	700.0	2.40	2.01	1.78
1000.0	2.49	2.32	2.25	1.18	1.73	2.46	750.0	2.37	1.99	1.82
1005.7	2.49	2.35	2.27	1.18	1.74	2.49	800.0	2.27	1.96	1.81
1030.0	2.80	2.61	2.52	1.20	1.82	2.58	850.0	2.20	1.92	1.80
1060.0	3.21	2.92	2.80	1.23	1.87	2.68	900.0	2.20	1.91	1.80
1080.6	3.50	3.21	3.01	1.26	1.88	2.65	950.0	2.20	1.91	1.78
1155.5	4.22	3.95	3.64	1.37	1.99	2.80	1000.0	2.20	1.92	1.80