

Frequency Mixer

ADE-ED7481/1

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)		
		+14	+17	+20		+14	+17	+20	+14	+17	+20
5.0	35.0	7.45	6.45	5.95	35.0	66.4	69.3	73.0	58.5	54.0	51.2
10.0	40.0	7.35	6.35	5.85	40.0	64.9	68.4	72.1	58.2	53.6	51.0
40.0	70.0	7.25	6.15	5.65	70.0	60.0	63.4	67.2	55.2	51.7	49.4
80.0	110.0	7.19	6.19	5.69	110.0	56.4	59.7	63.3	51.6	49.3	47.7
158.8	188.8	7.20	6.00	5.60	188.8	51.6	54.7	60.1	46.9	44.7	43.5
237.7	267.7	7.06	5.86	5.56	267.7	48.6	53.5	57.9	43.2	41.0	41.1
316.6	346.6	6.77	5.87	5.67	346.6	47.5	51.9	56.3	38.4	38.4	39.0
395.5	425.5	6.73	6.03	5.73	425.5	44.9	48.7	52.8	36.3	37.1	37.6
474.4	504.4	6.62	6.02	5.82	504.4	43.0	46.4	50.2	34.6	35.7	36.1
500.0	530.0	6.53	5.93	5.73	530.0	42.6	45.5	48.3	34.3	35.3	35.8
553.3	583.3	6.57	6.17	5.97	583.3	41.2	44.2	46.8	33.0	34.2	34.5
632.2	662.2	6.77	6.17	5.97	662.2	39.7	42.0	43.7	31.7	32.4	32.5
711.1	741.1	6.83	6.43	6.03	741.1	39.0	40.6	41.7	30.8	31.6	30.9
789.9	819.9	7.15	6.55	6.35	819.9	37.9	39.7	40.5	29.8	30.6	30.3
868.8	898.8	7.37	6.67	6.37	898.8	36.7	37.9	38.2	28.8	29.5	29.1
947.7	977.7	7.96	6.66	6.16	977.7	37.5	38.6	39.6	27.5	27.5	26.7
970.0	1000.0	8.13	6.73	6.23	1000.0	37.9	39.1	39.9	27.2	26.9	26.4
1000.0	1030.0	8.34	6.74	6.24	1030.0	39.0	41.8	43.5	26.7	26.2	25.3
1026.6	1056.6	8.59	6.99	6.29	1056.6	40.4	43.5	44.6	26.3	25.9	24.9
1100.0	1130.0	8.95	7.75	6.85	1130.0	42.6	50.2	54.8	25.8	25.1	23.8

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RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+14	+17	+20	+14	+17	+20		+14	+17	+20
35.0	1.47	1.32	1.25	1.78	1.10	1.53	10.0	3.16	2.27	1.89
40.0	1.45	1.23	1.15	1.82	1.11	1.53	30.0	3.06	2.20	1.87
70.0	1.41	1.17	1.05	1.78	1.14	1.54	50.0	3.01	2.20	1.85
110.0	1.36	1.14	1.03	1.76	1.19	1.54	52.2	3.06	2.23	1.87
188.8	1.37	1.13	1.06	1.81	1.32	1.62	80.0	3.06	2.23	1.88
267.7	1.33	1.04	1.05	1.85	1.41	1.73	104.3	2.96	2.18	1.85
346.6	1.23	1.02	1.08	1.88	1.46	1.88	156.4	2.84	2.14	1.82
425.5	1.18	1.01	1.06	1.81	1.51	2.03	208.5	2.80	2.10	1.81
504.4	1.11	1.08	1.14	1.71	1.59	2.10	260.6	2.68	2.06	1.78
530.0	1.09	1.10	1.17	1.66	1.58	2.08	300.0	2.58	2.01	1.75
583.3	1.06	1.09	1.15	1.58	1.64	2.16	312.7	2.65	2.04	1.76
662.2	1.09	1.11	1.16	1.48	1.67	2.16	364.8	2.61	2.01	1.75
741.1	1.11	1.09	1.15	1.44	1.73	2.27	416.9	2.61	1.97	1.73
819.9	1.21	1.16	1.16	1.44	1.87	2.43	469.0	2.58	1.97	1.71
898.8	1.37	1.30	1.30	1.51	2.14	2.84	521.1	2.52	1.94	1.70
977.7	1.63	1.54	1.51	1.62	2.37	3.38	573.2	2.40	1.89	1.67
1000.0	1.75	1.62	1.59	1.59	2.20	2.84	625.3	2.32	1.82	1.61
1030.0	1.92	1.76	1.71	1.65	2.37	3.16	677.4	2.18	1.75	1.57
1056.6	2.04	1.88	1.81	1.78	2.61	3.71	729.5	2.08	1.68	1.51
1130.0	2.46	2.32	2.18	1.91	2.76	3.64	781.6	2.01	1.63	1.47