

Frequency Mixer

MBA-EE7756/27

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
730.0	760.0	8.31	8.11	7.91	760.0	27.2	26.7	25.8	18.2	16.7	15.9
740.0	770.0	7.24	6.54	6.34	770.0	27.3	25.2	23.5	16.1	16.3	16.4
800.0	830.0	8.03	7.83	7.43	830.0	27.2	26.0	24.6	17.5	16.4	15.8
810.0	840.0	7.96	7.66	7.36	840.0	27.1	25.9	24.4	17.4	16.3	15.6
820.0	850.0	7.94	7.54	7.24	850.0	27.1	25.8	24.1	17.2	16.2	15.4
830.0	860.0	7.96	7.56	7.36	860.0	27.1	25.7	24.0	17.3	16.2	15.5
840.0	870.0	7.83	7.43	7.13	870.0	27.2	25.6	24.1	17.3	16.3	15.7
850.0	880.0	7.90	7.40	7.20	880.0	27.3	25.6	24.1	17.4	16.5	15.9
860.0	890.0	7.89	7.39	7.09	890.0	27.2	25.8	24.0	17.3	16.5	16.1
870.0	900.0	7.85	7.25	7.05	900.0	27.0	25.5	23.9	17.1	16.5	16.2
880.0	910.0	7.81	7.31	7.01	910.0	26.8	25.1	23.7	16.9	16.4	16.1
890.0	920.0	7.71	7.11	6.81	920.0	26.6	24.9	23.3	16.7	16.4	16.0
900.0	930.0	7.61	7.01	6.81	930.0	26.6	24.9	23.1	16.5	16.3	15.8
910.0	940.0	7.47	6.87	6.67	940.0	26.8	24.8	23.0	16.4	16.2	15.9
920.0	950.0	7.47	6.77	6.57	950.0	27.2	24.9	23.1	16.4	16.3	16.0
930.0	960.0	7.25	6.65	6.45	960.0	27.4	25.1	23.3	16.3	16.3	16.1
950.0	980.0	7.02	6.52	6.32	980.0	27.3	25.2	23.6	15.9	16.3	16.5
960.0	990.0	6.95	6.35	6.15	990.0	27.2	25.2	23.5	15.6	16.1	16.4
970.0	1000.0	6.87	6.27	6.17	1000.0	27.0	24.9	23.3	15.3	16.0	16.2
980.0	1010.0	6.76	6.16	6.06	1010.0	27.1	24.9	23.2	15.1	15.8	16.1
990.0	1020.0	6.79	6.19	5.99	1020.0	27.4	25.0	23.3	15.0	15.7	16.0
1000.0	1030.0	6.75	6.15	5.95	1030.0	27.5	25.1	23.5	14.8	15.6	16.2
1060.0	1090.0	6.75	6.25	6.05	1090.0	27.2	25.0	23.8	13.5	15.0	16.3
1170.0	1200.0	6.12	5.72	5.62	1200.0	27.0	25.8	24.7	12.2	14.0	15.9
1280.0	1310.0	5.90	5.50	5.40	1310.0	24.3	25.3	26.1	11.6	13.5	15.5
1390.0	1420.0	5.93	5.53	5.43	1420.0	24.0	25.2	26.3	11.1	12.9	14.2
1500.0	1530.0	5.81	5.51	5.51	1530.0	23.2	24.3	24.8	10.6	12.0	12.9

Frequency Mixer

MBA-EE7756/27

Typical Performance Data

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
760.0	3.01	2.88	2.80	2.49	2.46	2.88	0.1	1.09	1.31	1.43
770.0	3.06	2.58	2.25	1.85	1.88	2.37	0.3	1.08	1.30	1.43
830.0	3.06	2.84	2.65	1.91	2.01	2.43	0.5	1.06	1.28	1.40
840.0	2.96	2.76	2.58	1.89	2.03	2.43	0.8	1.04	1.26	1.38
850.0	3.11	2.84	2.65	1.88	2.03	2.52	1.0	1.03	1.26	1.38
860.0	3.06	2.84	2.65	1.88	2.06	2.55	5.0	1.05	1.27	1.38
870.0	3.11	2.88	2.68	1.89	2.06	2.61	10.0	1.05	1.28	1.39
880.0	3.16	2.92	2.72	1.87	2.04	2.58	20.0	1.06	1.27	1.38
890.0	3.16	2.92	2.68	1.87	2.01	2.52	30.0	1.07	1.26	1.37
900.0	3.16	2.88	2.68	1.82	1.96	2.40	36.8	1.08	1.26	1.38
910.0	3.16	2.84	2.61	1.78	1.91	2.32	50.0	1.09	1.23	1.34
920.0	3.16	2.80	2.55	1.76	1.88	2.32	70.0	1.13	1.21	1.32
930.0	3.11	2.76	2.49	1.75	1.88	2.32	73.4	1.14	1.21	1.30
940.0	3.06	2.72	2.40	1.76	1.89	2.40	100.0	1.23	1.20	1.27
950.0	3.11	2.61	2.35	1.81	1.91	2.43	110.0	1.27	1.21	1.27
960.0	3.06	2.58	2.30	1.82	1.88	2.37	130.0	1.35	1.23	1.26
980.0	2.96	2.52	2.23	1.85	1.89	2.37	140.0	1.40	1.24	1.26
990.0	2.96	2.49	2.20	1.82	1.87	2.32	146.7	1.42	1.26	1.26
1000.0	2.92	2.46	2.18	1.78	1.87	2.30	150.0	1.44	1.27	1.26
1010.0	2.92	2.46	2.18	1.71	1.81	2.27	170.0	1.55	1.35	1.30
1020.0	2.92	2.49	2.23	1.71	1.80	2.25	183.4	1.63	1.40	1.34
1030.0	2.92	2.52	2.27	1.75	1.80	2.27	190.0	1.67	1.43	1.36
1090.0	2.92	2.76	2.58	1.74	1.81	2.35	200.0	1.73	1.47	1.39
1200.0	2.20	2.14	2.08	1.56	1.73	2.27	220.1	1.87	1.59	1.48
1310.0	1.85	1.69	1.63	1.43	1.70	2.30	256.7	2.14	1.82	1.68
1420.0	1.70	1.59	1.58	1.37	1.85	2.58	293.4	2.46	2.12	1.94
1530.0	1.85	1.91	1.97	1.37	1.75	2.55	330.0	2.80	2.40	2.23