

Frequency Mixer

MBA-EE7756/24

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+8dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+10	+13	+16			+10	+13	+16			+10	+13	+16
1500.0	1530.0	11.59	9.21	8.86	1500.0	1530.0	21.15	20.58	19.61	1500.0	1530.0	-0.23	0.29	0.24
1620.0	1650.0	10.32	8.49	8.15	1620.0	1650.0	14.23	18.63	15.68	1620.0	1650.0	-0.21	0.35	0.41
1740.0	1770.0	8.84	7.84	7.59	1740.0	1770.0	26.30	17.01	17.65	1740.0	1770.0	0.19	0.22	0.17
1860.0	1890.0	8.05	7.43	7.23	1860.0	1890.0	15.40	17.22	19.24	1860.0	1890.0	0.41	0.25	0.13
1980.0	2010.0	7.39	6.92	6.73	1980.0	2010.0	11.63	14.07	17.04	1980.0	2010.0	0.60	0.41	0.30
2100.0	2130.0	6.72	6.35	6.17	2100.0	2130.0	10.76	12.54	15.81	2100.0	2130.0	0.78	0.51	0.40
2220.0	2250.0	6.41	6.20	6.09	2220.0	2250.0	13.18	14.82	16.27	2220.0	2250.0	0.62	0.28	0.25
2340.0	2370.0	6.29	6.13	6.06	2340.0	2370.0	15.21	15.44	16.45	2340.0	2370.0	0.45	0.15	0.14
2460.0	2490.0	6.15	6.10	6.16	2460.0	2490.0	19.79	15.78	15.91	2460.0	2490.0	0.48	0.12	0.06
2580.0	2610.0	6.15	6.08	6.10	2580.0	2610.0	29.57	18.64	17.74	2580.0	2610.0	0.60	0.25	0.15
2700.0	2730.0	6.32	6.15	6.06	2700.0	2730.0	25.97	27.41	22.60	2700.0	2730.0	0.70	0.41	0.40
2820.0	2850.0	6.76	6.32	6.10	2820.0	2850.0	18.00	17.06	18.79	2820.0	2850.0	0.91	0.70	0.64
2940.0	2970.0	6.87	6.34	6.10	2940.0	2970.0	14.30	14.86	15.99	2940.0	2970.0	1.02	0.89	0.80
3040.0	3070.0	6.79	6.39	6.19	3040.0	3070.0	14.05	14.96	16.25	3040.0	3070.0	0.99	0.82	0.82
3160.0	3190.0	6.75	6.45	6.27	3160.0	3190.0	14.58	15.57	16.46	3160.0	3190.0	0.94	0.76	0.75
3260.0	3290.0	6.76	6.45	6.32	3260.0	3290.0	14.92	16.44	17.25	3260.0	3290.0	0.85	0.64	0.61
3380.0	3410.0	6.91	6.57	6.47	3380.0	3410.0	15.10	16.68	18.46	3380.0	3410.0	0.56	0.41	0.40
3480.0	3510.0	6.89	6.63	6.51	3480.0	3510.0	15.99	17.14	18.71	3480.0	3510.0	0.51	0.32	0.31
3600.0	3630.0	6.85	6.59	6.50	3600.0	3630.0	16.76	18.27	19.28	3600.0	3630.0	0.41	0.26	0.25
3700.0	3730.0	6.89	6.65	6.58	3700.0	3730.0	17.10	18.25	19.33	3700.0	3730.0	0.35	0.24	0.22
3820.0	3850.0	6.81	6.57	6.55	3820.0	3850.0	18.06	18.77	19.41	3820.0	3850.0	0.35	0.23	0.21
3920.0	3950.0	6.80	6.57	6.53	3920.0	3950.0	18.57	18.87	20.29	3920.0	3950.0	0.30	0.20	0.17
4040.0	4070.0	6.86	6.61	6.53	4040.0	4070.0	19.95	19.77	21.07	4040.0	4070.0	0.36	0.20	0.16
4140.0	4170.0	6.82	6.57	6.46	4140.0	4170.0	21.42	19.65	22.17	4140.0	4170.0	0.42	0.20	0.16
4260.0	4290.0	6.71	6.48	6.34	4260.0	4290.0	22.54	19.18	21.12	4260.0	4290.0	0.46	0.21	0.19
4360.0	4390.0	6.63	6.39	6.32	4360.0	4390.0	20.50	18.91	18.89	4360.0	4390.0	0.61	0.26	0.26
4480.0	4510.0	6.40	6.15	6.03	4480.0	4510.0	17.09	17.32	18.61	4480.0	4510.0	0.72	0.42	0.39
4580.0	4610.0	6.31	5.98	5.88	4580.0	4610.0	16.41	18.10	18.68	4580.0	4610.0	0.92	0.55	0.53
4700.0	4730.0	6.25	5.76	5.62	4700.0	4730.0	15.78	19.05	19.27	4700.0	4730.0	1.28	0.84	0.74
4800.0	4830.0	6.44	5.69	5.52	4800.0	4830.0	15.15	18.98	18.84	4800.0	4830.0	1.16	0.95	0.95
4920.0	4950.0	7.08	5.81	5.43	4920.0	4950.0	15.12	18.27	19.64	4920.0	4950.0	1.08	1.20	1.25
5020.0	5050.0	7.39	5.96	5.51	5020.0	5050.0	13.84	17.75	20.10	5020.0	5050.0	1.04	1.24	1.34
5140.0	5170.0	7.66	6.26	5.79	5140.0	5170.0	13.15	17.58	19.28	5140.0	5170.0	1.16	1.29	1.43
5240.0	5270.0	8.00	6.58	6.13	5240.0	5270.0	12.56	17.98	18.82	5240.0	5270.0	1.16	1.28	1.50
5360.0	5390.0	8.00	6.92	6.65	5360.0	5390.0	11.53	17.54	18.41	5360.0	5390.0	1.28	1.31	1.46
5460.0	5490.0	8.20	7.40	7.27	5460.0	5490.0	11.10	16.77	18.00	5460.0	5490.0	1.46	1.26	1.36
5580.0	5610.0	8.47	7.95	8.05	5580.0	5610.0	12.70	17.08	18.60	5580.0	5610.0	1.56	1.18	1.04
5680.0	5710.0	9.01	8.59	8.71	5680.0	5710.0	15.06	17.84	18.91	5680.0	5710.0	1.58	1.02	0.87
5800.0	5830.0	9.68	9.31	9.17	5800.0	5830.0	14.79	18.32	17.90	5800.0	5830.0	1.47	0.92	0.85
5900.0	5930.0	10.01	9.89	9.84	5900.0	5930.0	13.83	18.89	19.20	5900.0	5930.0	1.59	0.72	0.58

REV. X3

MBA-EE7756/24

101012

Page 1 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, instantly • For detailed performance specs & shopping online see



Frequency Mixer

MBA-EE7756/24

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2500MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1989.9MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3010.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+13			+13			+13
1000.0	1500.0	5.43	10.1	2000.0	7.09	1510.1	1500.0	10.11
954.3	1545.7	4.96	50.1	2040.0	6.96	1470.1	1540.0	9.07
908.6	1591.4	4.80	90.1	2080.0	7.12	1430.1	1580.0	8.34
862.9	1637.1	4.53	130.1	2120.0	7.27	1390.1	1620.0	7.69
817.2	1682.8	4.56	170.1	2160.0	7.36	1350.1	1660.0	7.18
771.5	1728.5	4.64	210.1	2200.0	7.48	1310.1	1700.0	6.75
725.8	1774.2	4.85	250.1	2240.0	7.51	1270.1	1740.0	6.34
680.2	1819.8	5.10	290.1	2280.0	7.48	1230.1	1780.0	6.03
634.5	1865.5	5.27	330.1	2320.0	7.45	1190.1	1820.0	5.77
588.8	1911.2	5.21	370.1	2360.0	7.39	1150.1	1860.0	5.58
527.8	1972.2	4.98	410.1	2400.0	7.46	1110.1	1900.0	5.49
482.2	2017.8	4.69	450.1	2440.0	7.51	1070.1	1940.0	5.47
421.2	2078.8	4.45	490.1	2480.0	7.60	1030.1	1980.0	5.46
375.5	2124.5	4.58	530.1	2520.0	7.63	990.1	2020.0	5.60
314.6	2185.4	4.88	570.1	2560.0	7.67	950.1	2060.0	5.81
268.9	2231.1	5.02	610.1	2600.0	7.74	910.1	2100.0	6.05
208.0	2292.0	5.33	650.1	2640.0	7.86	870.1	2140.0	6.28
162.3	2337.7	5.44	690.1	2680.0	7.99	830.1	2180.0	6.38
101.4	2398.6	5.75	730.1	2720.0	8.01	790.1	2220.0	6.31
55.7	2444.3	5.86	770.1	2760.0	8.08	750.1	2260.0	6.16
10.0	2510.0	6.44	810.1	2800.0	8.16	710.1	2300.0	6.06
84.1	2584.1	5.98	850.1	2840.0	8.13	670.1	2340.0	6.11
182.9	2682.9	5.98	890.1	2880.0	8.27	630.1	2380.0	6.18
257.0	2757.0	6.07	930.1	2920.0	8.38	590.1	2420.0	6.27
355.8	2855.8	6.28	970.1	2960.0	8.52	550.1	2460.0	6.39
429.8	2929.8	6.42	990.1	2980.0	8.55	510.1	2500.0	6.43
528.6	3028.6	6.66	1030.1	3020.0	8.66	470.1	2540.0	6.56
602.7	3102.7	6.69	1050.1	3040.0	8.64	430.1	2580.0	6.57
701.5	3201.5	6.68	1090.1	3080.0	8.88	390.1	2620.0	6.76
775.6	3275.6	6.80	1110.1	3100.0	9.04	350.1	2660.0	6.88
874.4	3374.4	7.18	1150.1	3140.0	9.12	310.1	2700.0	6.91
948.5	3448.5	7.32	1170.1	3160.0	9.21	270.1	2740.0	6.93
1047.3	3547.3	7.69	1210.1	3200.0	9.45	230.1	2780.0	6.71
1121.4	3621.4	8.03	1230.1	3220.0	9.48	190.1	2820.0	6.64
1220.2	3720.2	8.32	1270.1	3260.0	9.79	150.1	2860.0	6.57
1294.2	3794.2	8.43	1290.1	3280.0	9.84	130.1	2880.0	6.53
1393.0	3893.0	8.50	1330.1	3320.0	10.02	90.1	2920.0	6.54
1467.1	3967.1	8.54	1350.1	3340.0	10.20	70.1	2940.0	6.66
1565.9	4065.9	8.85	1390.1	3380.0	10.42	30.1	2980.0	6.59
1640.0	4140.0	10.53	1410.1	3400.0	10.46	10.1	3000.0	6.92

REV. X3

MBA-EE7756/24

101012

Page 2 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0006 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, instantly • For detailed performance specs & shopping online see



Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+10	+13	+16	+10	+13	+16
1530.0	41.14	36.08	38.21	9.32	9.76	10.58
1650.0	32.86	31.65	30.36	8.50	9.58	10.15
1770.0	31.02	29.50	27.29	8.96	9.98	10.25
1890.0	31.73	28.77	26.38	9.78	10.33	10.48
2010.0	32.90	28.28	25.44	10.84	11.08	10.83
2130.0	33.81	27.85	24.62	11.96	11.95	11.43
2250.0	32.38	26.36	23.69	13.07	12.84	12.41
2370.0	32.67	26.06	23.39	14.84	14.06	13.37
2490.0	33.18	27.85	24.32	16.92	15.99	14.67
2610.0	30.35	30.37	26.87	19.31	17.91	16.50
2730.0	25.39	28.42	28.20	22.01	19.79	18.34
2850.0	23.04	26.14	27.53	24.58	21.89	20.30
2970.0	22.19	24.89	26.46	27.69	25.05	23.12
3070.0	21.88	24.61	25.98	31.43	29.01	26.43
3190.0	22.55	24.89	25.73	34.84	37.96	34.58
3290.0	23.28	24.98	25.42	29.82	33.37	40.13
3410.0	24.02	25.57	25.22	25.15	27.16	29.47
3510.0	24.33	25.21	24.63	22.00	23.16	24.75
3630.0	24.45	24.91	24.20	19.35	20.31	21.48
3730.0	23.94	24.37	23.57	17.56	18.65	19.79
3850.0	23.26	23.49	22.90	15.93	16.87	18.08
3950.0	22.45	22.93	22.37	14.60	15.66	16.86
4070.0	21.51	21.75	21.50	13.46	14.31	15.58
4170.0	20.49	20.88	20.71	12.48	13.45	14.66
4290.0	20.09	20.47	20.16	12.01	12.97	14.07
4390.0	19.38	19.79	19.50	11.80	12.76	13.70
4510.0	18.54	18.94	18.48	11.73	12.86	13.80
4610.0	18.20	18.34	17.93	11.60	12.75	13.86
4730.0	17.47	17.97	17.51	10.85	11.99	13.22
4830.0	16.77	17.46	17.00	10.31	11.28	12.59
4950.0	16.53	17.40	17.01	9.93	10.76	11.97
5050.0	16.14	16.81	16.67	9.66	10.36	11.65
5170.0	15.93	16.64	16.42	9.39	10.05	11.39
5270.0	15.80	16.48	16.28	9.06	9.64	11.01
5390.0	15.85	16.60	16.22	8.77	9.57	10.93
5490.0	15.70	16.39	16.13	8.60	9.45	10.80
5610.0	15.38	16.16	16.00	8.63	9.69	10.64
5710.0	14.87	16.08	16.31	8.77	9.80	10.23
5830.0	13.70	15.12	15.99	9.15	10.14	10.71
5930.0	12.91	14.58	15.44	9.62	10.46	10.75

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+10	+13	+16
1500.0	1530.0	27.53	30.96	27.84
1620.0	1650.0	33.64	25.39	23.40
1740.0	1770.0	24.37	22.39	20.96
1860.0	1890.0	21.20	20.49	19.77
1980.0	2010.0	18.82	18.59	18.35
2100.0	2130.0	17.02	16.99	17.13
2220.0	2250.0	15.73	15.96	16.09
2340.0	2370.0	15.34	15.66	15.84
2460.0	2490.0	15.69	15.95	16.00
2580.0	2610.0	16.16	16.54	16.54
2700.0	2730.0	16.25	16.69	16.75
2820.0	2850.0	15.63	16.09	16.30
2940.0	2970.0	15.48	16.09	16.35
3040.0	3070.0	15.69	16.15	16.37
3160.0	3190.0	16.07	16.36	16.30
3260.0	3290.0	16.31	16.41	16.41
3380.0	3410.0	16.61	16.44	16.15
3480.0	3510.0	17.03	16.76	16.33
3600.0	3630.0	17.04	16.84	16.57
3700.0	3730.0	17.09	16.74	16.39
3820.0	3850.0	17.02	16.80	16.57
3920.0	3950.0	16.79	16.45	16.26
4040.0	4070.0	16.42	15.88	15.69
4140.0	4170.0	16.31	15.71	15.34
4260.0	4290.0	15.74	15.21	14.50
4360.0	4390.0	14.94	13.86	12.94
4480.0	4510.0	14.28	13.27	12.44
4580.0	4610.0	14.26	13.02	12.17
4700.0	4730.0	14.20	13.22	12.40
4800.0	4830.0	13.98	13.22	12.32
4920.0	4950.0	14.20	13.63	12.98
5020.0	5050.0	14.40	13.86	13.25
5140.0	5170.0	15.11	13.96	12.74
5240.0	5270.0	15.99	14.19	12.14
5360.0	5390.0	17.46	13.67	10.48
5460.0	5490.0	18.27	12.52	9.59
5580.0	5610.0	15.94	10.57	8.48
5680.0	5710.0	12.98	9.33	7.64
5800.0	5830.0	10.40	8.27	7.10
5900.0	5930.0	8.40	7.14	6.41

Frequency Mixer

MBA-EE7756/24

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)		
		@LO (dBm)		
		+10	+13	+16
1500.0	1530.0	10.31	7.60	6.66
1620.0	1650.0	8.31	6.39	5.52
1740.0	1770.0	6.37	5.16	4.47
1860.0	1890.0	4.96	4.26	3.79
1980.0	2010.0	3.81	3.37	3.07
2100.0	2130.0	2.94	2.68	2.52
2220.0	2250.0	2.35	2.23	2.18
2340.0	2370.0	2.03	2.03	2.06
2460.0	2490.0	1.82	1.94	2.07
2580.0	2610.0	1.67	1.78	1.90
2700.0	2730.0	1.45	1.49	1.55
2820.0	2850.0	1.26	1.18	1.16
2940.0	2970.0	1.32	1.20	1.16
3040.0	3070.0	1.53	1.46	1.43
3160.0	3190.0	1.87	1.82	1.80
3260.0	3290.0	2.16	2.12	2.10
3380.0	3410.0	2.45	2.39	2.40
3480.0	3510.0	2.66	2.57	2.54
3600.0	3630.0	2.78	2.71	2.65
3700.0	3730.0	2.88	2.78	2.75
3820.0	3850.0	2.99	2.84	2.78
3920.0	3950.0	3.03	2.87	2.77
4040.0	4070.0	3.06	2.86	2.71
4140.0	4170.0	3.04	2.85	2.67
4260.0	4290.0	2.93	2.72	2.56
4360.0	4390.0	2.81	2.61	2.47
4480.0	4510.0	2.58	2.40	2.25
4580.0	4610.0	2.46	2.23	2.11
4700.0	4730.0	2.26	2.02	1.90
4800.0	4830.0	2.19	1.89	1.79
4920.0	4950.0	2.28	1.89	1.74
5020.0	5050.0	2.34	1.94	1.78
5140.0	5170.0	2.48	2.09	1.89
5240.0	5270.0	2.67	2.26	1.99
5360.0	5390.0	2.80	2.38	2.07
5460.0	5490.0	2.92	2.46	2.16
5580.0	5610.0	2.97	2.52	2.28
5680.0	5710.0	2.78	2.51	2.32
5800.0	5830.0	2.77	2.57	2.42
5900.0	5930.0	2.58	2.50	2.41

LO (MHz)	LO VSWR (:1)		
	@LO (dBm)		
	+10	+13	+16
1530.0	6.66	3.74	3.47
1650.0	4.38	2.89	3.02
1770.0	3.05	2.47	2.81
1890.0	2.32	2.23	2.75
2010.0	1.97	2.12	2.70
2130.0	1.76	2.01	2.62
2250.0	1.54	1.89	2.56
2370.0	1.29	1.80	2.57
2490.0	1.14	1.77	2.54
2610.0	1.17	1.72	2.44
2730.0	1.25	1.68	2.35
2850.0	1.34	1.65	2.31
2970.0	1.39	1.62	2.25
3070.0	1.40	1.56	2.16
3190.0	1.42	1.48	2.03
3290.0	1.45	1.46	1.99
3410.0	1.42	1.44	1.99
3510.0	1.35	1.47	2.05
3630.0	1.29	1.55	2.18
3730.0	1.29	1.66	2.31
3850.0	1.38	1.81	2.45
3950.0	1.49	1.93	2.57
4070.0	1.70	2.13	2.75
4170.0	1.89	2.30	2.92
4290.0	2.16	2.56	3.19
4390.0	2.38	2.75	3.37
4510.0	2.70	2.93	3.52
4610.0	3.09	3.11	3.61
4730.0	3.63	3.34	3.66
4830.0	4.05	3.50	3.63
4950.0	4.60	3.78	3.75
5050.0	5.09	4.04	3.90
5170.0	5.27	4.11	3.85
5270.0	5.47	4.14	3.77
5390.0	5.39	4.02	3.60
5490.0	5.38	3.82	3.43
5610.0	5.27	3.54	3.07
5710.0	5.09	3.30	2.77
5830.0	4.77	3.02	2.50
5930.0	4.24	2.61	2.14

IF (OUT) (MHz)	IF VSWR @LO=3000MHz (:1)		
	@LO (dBm)		
	+10	+13	+16
10.0	1.31	1.06	1.10
30.0	1.31	1.07	1.09
50.0	1.35	1.13	1.11
70.0	1.35	1.17	1.19
90.0	1.37	1.19	1.21
110.0	1.38	1.20	1.21
130.0	1.44	1.26	1.23
150.0	1.52	1.35	1.32
170.0	1.55	1.38	1.37
190.0	1.57	1.40	1.39
210.0	1.62	1.44	1.41
230.0	1.69	1.51	1.46
250.0	1.76	1.58	1.54
270.0	1.81	1.63	1.59
290.0	1.85	1.66	1.61
310.0	1.87	1.67	1.61
330.0	1.97	1.76	1.69
350.0	2.05	1.84	1.76
390.0	2.10	1.88	1.81
410.0	2.16	1.92	1.83
450.0	2.31	2.06	1.96
470.0	2.36	2.11	2.01
510.0	2.41	2.13	2.02
530.0	2.52	2.24	2.12
570.0	2.55	2.28	2.16
590.0	2.58	2.30	2.18
630.0	2.70	2.41	2.27
650.0	2.74	2.46	2.32
690.0	2.76	2.47	2.32
710.0	2.79	2.51	2.36
750.0	2.89	2.60	2.45
770.0	2.85	2.57	2.42
810.0	2.93	2.65	2.48
830.0	2.94	2.66	2.49
870.0	2.95	2.68	2.50
890.0	2.94	2.66	2.47
930.0	3.03	2.75	2.55
950.0	3.02	2.73	2.53
990.0	3.01	2.72	2.51
1010.0	3.08	2.76	2.54

REV. X3

MBA-EE7756/24

101012

Page 4 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, instantly • For detailed performance specs & shopping online see



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+9	+1	5	30	21	27	32	45	38	---
1	-	10	+0	18	10	38	36	38	39	47	48	47
2	75	42	48	38	46	44	46	46	54	50	59	61
3	>90	71	68	63	64	64	60	75	>77	76	72	77
4	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
5	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
6	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
7	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
8	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
9	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
10	---	---	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 2500 MHz; -7.00 dBm.
LO IN: 2530 MHz; +13.00 dBm
IF OUT: 30 MHz; -13.03 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	1	9	17	39	34	40	50	54	59	---
1	-	10	+0	20	11	38	39	44	44	55	57	56
2	55	32	38	28	38	35	38	42	47	45	57	58
3	>90	52	52	45	44	42	38	58	65	58	54	64
4	>90	79	68	73	63	60	59	59	59	53	81	60
5	>90	80	71	71	75	66	58	64	60	69	62	70
6	>90	84	>87	81	>87	77	80	68	69	69	70	79
7	>90	>87	83	>87	>87	84	>87	78	73	74	74	79
8	>90	>87	>87	>87	>87	>87	>87	>87	85	80	84	81
9	>90	>87	>87	>87	>87	>87	>87	>87	87	>87	>87	>87
10	---	---	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 2500 MHz; 3.00 dBm.
LO IN: 2530 MHz; +13.00 dBm
IF OUT: 30 MHz; -3.04 dBm

- Notes: 1. All Harmonics are in (dBc) relative to IF OUTPUT.
2. + entry denotes harmonics are in (dBc) above IF OUTPUT.
3. RF Cal represent the Harmonics level of the RF input signal to the mixer.

REV. X3

MBA-EE7756/24

101012

Page 5 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED RoHS compliant
P.O. Box 350166, Brooklyn, New York 11235-0006 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

