

Frequency Mixer

HJK-ED9680/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=500MHz (dB)		
		@LO (dBm)		
		+14	+17	+20
620.1	120.1	12.90	10.52	9.09
700.7	200.7	7.97	7.59	7.35
781.2	281.2	8.90	8.19	7.73
861.8	361.8	9.50	8.57	7.97
942.3	442.3	9.58	8.48	7.83
1022.9	522.9	11.04	10.10	9.52
1103.5	603.5	11.17	9.50	8.52
1184.0	684.0	11.38	9.60	8.54
1264.6	764.6	11.31	9.55	8.51
1345.1	845.1	11.03	9.43	8.40
1425.7	925.7	10.87	9.35	8.42
1506.3	1006.3	10.68	9.22	8.27
1586.8	1086.8	10.24	8.75	7.87
1667.4	1167.4	9.74	8.42	7.63
1747.9	1247.9	9.24	8.12	7.48
1808.4	1308.4	8.85	7.86	7.34
1888.9	1388.9	8.28	7.53	7.17
1949.3	1449.3	7.94	7.38	7.08
2029.9	1529.9	7.86	7.49	7.30
2090.3	1590.3	7.91	7.68	7.58
2170.9	1670.9	7.90	7.84	7.84
2231.3	1731.3	7.87	7.83	7.84
2311.8	1811.8	7.92	7.88	7.87
2372.3	1872.3	8.03	7.96	7.94
2452.8	1952.8	8.20	8.07	8.02
2513.2	2013.2	8.39	8.13	8.03
2593.8	2093.8	8.80	8.37	8.15
2654.2	2154.2	9.08	8.60	8.34
2734.8	2234.8	9.47	8.86	8.57
2795.2	2295.2	9.92	9.08	8.71
2875.8	2375.8	10.30	9.35	8.92
2936.2	2436.2	10.47	9.53	9.08
3016.7	2516.7	10.79	9.84	9.35
3077.2	2577.2	11.09	10.04	9.46
3157.7	2657.7	11.19	10.15	9.56
3218.1	2718.1	11.33	10.22	9.70
3298.7	2798.7	11.56	10.39	9.83
3359.1	2859.1	11.64	10.45	9.86
3439.7	2939.7	11.77	10.59	9.99
3500.1	3000.1	12.05	10.91	10.21

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+14	+17	+20
620.1	120.1	13.97	21.82	24.36
700.7	200.7	28.33	31.33	33.19
781.2	281.2	21.32	24.65	30.81
861.8	361.8	19.68	22.66	25.30
942.3	442.3	20.09	24.97	26.77
1022.9	522.9	15.77	23.98	19.21
1103.5	603.5	17.84	21.09	23.89
1184.0	684.0	17.12	20.38	23.89
1264.6	764.6	18.81	22.10	25.75
1345.1	845.1	19.49	22.65	25.95
1425.7	925.7	20.00	22.73	26.68
1506.3	1006.3	23.47	26.30	27.93
1586.8	1086.8	28.33	26.61	27.99
1667.4	1167.4	23.13	24.25	27.16
1747.9	1247.9	21.92	24.35	27.67
1808.4	1308.4	22.04	25.02	28.77
1888.9	1388.9	23.14	25.85	29.09
1949.3	1449.3	25.08	27.84	30.62
2029.9	1529.9	26.44	29.62	32.40
2090.3	1590.3	25.53	29.27	33.59
2170.9	1670.9	27.57	33.80	36.97
2231.3	1731.3	29.12	35.14	39.10
2311.8	1811.8	29.38	34.83	38.12
2372.3	1872.3	27.74	34.16	37.94
2452.8	1952.8	25.67	31.87	38.02
2513.2	2013.2	23.90	27.76	35.45
2593.8	2093.8	22.76	25.49	30.78
2654.2	2154.2	22.55	25.00	29.66
2734.8	2234.8	21.86	24.00	27.52
2795.2	2295.2	21.10	23.16	25.81
2875.8	2375.8	20.83	22.83	25.49
2936.2	2436.2	21.00	23.22	26.35
3016.7	2516.7	20.79	22.97	26.30
3077.2	2577.2	20.56	22.67	26.17
3157.7	2657.7	20.56	22.61	26.40
3218.1	2718.1	20.57	22.69	26.35
3298.7	2798.7	20.13	21.82	25.23
3359.1	2859.1	20.28	21.54	24.55
3439.7	2939.7	20.11	21.67	24.88
3500.1	3000.1	19.93	21.61	25.17

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+17dBm (dB)		
		@LO (dBm)		
		+14	+17	+20
620.1	120.1	0.95	0.99	0.66
700.7	200.7	0.17	0.11	0.10
781.2	281.2	0.47	0.18	0.13
861.8	361.8	0.89	0.33	0.02
942.3	442.3	1.54	0.69	0.03
1022.9	522.9	0.72	0.41	0.68
1103.5	603.5	0.37	0.43	0.60
1184.0	684.0	0.61	0.47	0.34
1264.6	764.6	1.07	0.74	0.36
1345.1	845.1	1.63	1.02	0.37
1425.7	925.7	1.95	1.10	0.40
1506.3	1006.3	1.77	1.11	0.50
1586.8	1086.8	1.24	1.05	0.60
1667.4	1167.4	0.98	0.89	0.61
1747.9	1247.9	0.89	0.74	0.49
1808.4	1308.4	0.91	0.71	0.42
1888.9	1388.9	0.81	0.54	0.33
1949.3	1449.3	0.53	0.29	0.21
2029.9	1529.9	0.30	0.14	0.15
2090.3	1590.3	0.27	0.16	0.17
2170.9	1670.9	0.22	0.14	0.11
2231.3	1731.3	0.17	0.11	0.09
2311.8	1811.8	0.17	0.10	0.08
2372.3	1872.3	0.20	0.12	0.08
2452.8	1952.8	0.31	0.15	0.10
2513.2	2013.2	0.50	0.24	0.14
2593.8	2093.8	0.67	0.35	0.19
2654.2	2154.2	0.69	0.38	0.20
2734.8	2234.8	0.85	0.49	0.23
2795.2	2295.2	1.05	0.66	0.34
2875.8	2375.8	1.05	0.70	0.38
2936.2	2436.2	1.01	0.64	0.35
3016.7	2516.7	0.99	0.72	0.40
3077.2	2577.2	1.02	0.80	0.48
3157.7	2657.7	0.93	0.79	0.47
3218.1	2718.1	0.85	0.71	0.41
3298.7	2798.7	0.67	0.60	0.29
3359.1	2859.1	0.56	0.50	0.24
3439.7	2939.7	0.45	0.45	0.25
3500.1	3000.1	0.37	0.41	0.24

REV. X2

HJK-ED9680/1

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

HJK-ED9680/1

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1925MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1739.9MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2110.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
925.0	1000.0	10.37	10.1	1750.0	7.33	1030.1	1080.0	10.12
885.2	1039.8	10.10	30.5	1770.4	7.23	1010.1	1100.0	10.12
845.4	1079.6	9.79	50.9	1790.8	7.26	990.1	1120.0	10.04
805.7	1119.3	9.39	71.3	1811.2	7.19	970.1	1140.0	9.92
765.9	1159.1	9.12	91.7	1831.6	7.25	950.1	1160.0	9.77
726.1	1198.9	8.86	112.1	1852.0	7.20	930.1	1180.0	9.53
686.3	1238.7	8.61	132.5	1872.4	7.22	910.1	1200.0	9.46
646.5	1278.5	8.29	153.0	1892.9	7.20	890.1	1220.0	9.33
606.7	1318.3	8.06	173.4	1913.3	7.20	870.1	1240.0	9.19
567.0	1358.0	7.72	193.8	1933.7	7.25	850.1	1260.0	9.00
527.2	1397.8	7.58	214.2	1954.1	7.23	830.1	1280.0	8.83
467.5	1457.5	7.34	234.6	1974.5	7.30	810.1	1300.0	8.73
427.7	1497.3	7.29	255.0	1994.9	7.32	790.1	1320.0	8.65
368.0	1557.0	7.36	275.4	2015.3	7.41	770.1	1340.0	8.51
328.3	1596.7	7.41	295.8	2035.7	7.42	750.1	1360.0	8.34
268.6	1656.4	7.47	316.2	2056.1	7.51	730.1	1380.0	8.19
228.8	1696.2	7.47	336.6	2076.5	7.56	690.1	1420.0	8.09
169.1	1755.9	7.53	357.0	2096.9	7.67	670.1	1440.0	7.96
129.3	1795.7	7.48	377.4	2117.3	7.73	630.1	1480.0	7.79
69.7	1855.3	7.42	397.9	2137.8	7.77	610.1	1500.0	7.80
29.9	1895.1	7.36	438.7	2178.6	7.92	570.1	1540.0	7.72
30.5	1955.5	7.30	459.1	2199.0	8.13	550.1	1560.0	7.69
71.6	1996.6	7.25	499.9	2239.8	8.17	510.1	1600.0	7.69
133.3	2058.3	7.29	520.3	2260.2	8.24	490.1	1620.0	7.64
174.3	2099.3	7.36	561.1	2301.0	8.58	450.1	1660.0	7.65
236.0	2161.0	7.51	581.5	2321.4	8.64	430.1	1680.0	7.66
277.1	2202.1	7.75	622.3	2362.2	8.83	390.1	1720.0	7.73
338.7	2263.7	7.91	642.8	2382.7	9.06	370.1	1740.0	7.77
379.8	2304.8	8.16	683.6	2423.5	9.18	330.1	1780.0	7.78
441.4	2366.4	8.38	704.0	2443.9	9.13	310.1	1800.0	7.72
482.5	2407.5	8.69	744.8	2484.7	9.65	270.1	1840.0	7.68
544.1	2469.1	8.99	765.2	2505.1	9.75	250.1	1860.0	7.62
585.2	2510.2	9.15	806.0	2545.9	9.72	210.1	1900.0	7.53
646.8	2571.8	9.44	826.4	2566.3	9.93	190.1	1920.0	7.54
687.9	2612.9	9.57	867.2	2607.1	10.15	150.1	1960.0	7.43
749.6	2674.6	9.90	887.7	2627.6	9.99	130.1	1980.0	7.42
790.7	2715.7	9.78	928.5	2668.4	10.35	90.1	2020.0	7.35
852.3	2777.3	10.22	948.9	2688.8	10.52	70.1	2040.0	7.29
893.4	2818.4	10.10	989.7	2729.6	10.27	30.1	2080.0	7.34
955.0	2880.0	10.51	1010.1	2750.0	10.39	10.1	2100.0	7.43

REV. X2

HJK-ED9680/1

101012

Page 2 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 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)		
	+14	+17	+20	+14	+17	+20
120.1	65.10	65.73	66.23	59.78	60.42	61.01
200.7	53.53	54.21	54.79	47.72	48.21	48.74
281.2	54.21	55.27	56.17	49.61	50.07	50.50
361.8	52.78	53.78	54.81	50.52	50.63	50.71
442.3	50.67	51.18	51.69	52.30	52.28	52.32
522.9	48.52	49.63	50.82	52.22	49.55	48.17
603.5	48.06	49.07	50.19	49.37	47.71	46.73
684.0	46.59	47.68	49.00	48.27	46.72	45.65
764.6	45.22	46.08	47.18	46.61	45.44	44.52
845.1	44.32	45.28	46.38	44.70	44.15	43.50
925.7	43.31	44.30	45.38	42.79	42.31	41.85
1006.3	43.00	43.84	44.78	40.53	40.46	40.42
1086.8	41.58	41.75	42.01	40.65	40.39	40.16
1167.4	39.92	39.87	39.95	40.63	40.41	40.30
1247.9	39.03	39.44	39.97	40.43	40.31	40.31
1308.4	38.51	39.14	39.88	40.14	39.87	39.88
1388.9	37.87	38.80	39.75	39.78	39.31	39.15
1449.3	37.22	38.16	39.16	39.26	38.47	38.10
1529.9	37.11	38.02	39.04	39.85	39.12	38.45
1590.3	36.57	36.80	37.02	38.78	39.88	40.93
1670.9	35.02	35.10	35.12	35.29	35.90	36.33
1731.3	34.47	34.68	34.87	33.38	33.84	34.23
1811.8	34.99	35.62	35.96	31.90	32.42	32.74
1872.3	36.13	36.87	37.37	31.52	32.00	32.28
1952.8	38.10	39.21	40.05	31.53	31.94	32.29
2013.2	39.13	40.51	41.60	31.76	31.92	32.08
2093.8	39.98	41.71	43.23	32.29	32.21	32.21
2154.2	40.44	42.44	44.19	32.79	32.75	32.59
2234.8	39.89	41.54	43.32	33.47	33.15	33.00
2295.2	38.98	40.43	42.03	33.64	33.08	32.80
2375.8	38.33	39.50	40.93	33.48	32.70	32.40
2436.2	37.79	38.97	40.08	33.03	32.61	32.16
2516.7	36.75	37.76	38.48	32.75	32.47	31.89
2577.2	36.30	37.18	37.94	32.50	32.30	31.83
2657.7	36.05	36.84	37.58	32.54	32.37	31.91
2718.1	36.06	36.72	37.64	32.82	32.37	32.22
2798.7	36.16	36.99	38.19	33.28	32.91	32.75
2859.1	36.77	37.93	39.56	33.96	33.55	33.39
2939.7	39.75	42.50	46.88	35.11	34.86	34.77
3000.1	43.95	47.89	48.79	35.59	35.93	35.88

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
620.1	120.1	51.12	49.80	49.16
700.7	200.7	46.65	46.40	45.95
781.2	281.2	44.77	44.80	44.24
861.8	361.8	45.42	45.34	46.30
942.3	442.3	46.35	48.58	52.83
1022.9	522.9	37.81	35.88	35.25
1103.5	603.5	38.31	37.62	37.55
1184.0	684.0	37.73	38.10	38.65
1264.6	764.6	35.44	36.48	38.41
1345.1	845.1	32.01	32.65	34.22
1425.7	925.7	28.24	28.15	28.77
1506.3	1006.3	38.22	46.84	45.45
1586.8	1086.8	30.46	31.48	34.06
1667.4	1167.4	30.29	31.83	34.58
1747.9	1247.9	31.55	33.04	35.07
1808.4	1308.4	32.05	33.20	34.40
1888.9	1388.9	32.34	33.31	34.38
1949.3	1449.3	32.32	33.22	34.17
2029.9	1529.9	33.45	34.48	35.09
2090.3	1590.3	36.98	37.47	37.25
2170.9	1670.9	36.09	35.58	35.14
2231.3	1731.3	34.32	33.99	33.76
2311.8	1811.8	33.21	33.00	32.90
2372.3	1872.3	33.02	32.72	32.64
2452.8	1952.8	33.47	32.92	32.72
2513.2	2013.2	34.37	33.43	33.11
2593.8	2093.8	35.63	34.00	33.29
2654.2	2154.2	35.96	34.06	33.11
2734.8	2234.8	36.63	34.65	33.35
2795.2	2295.2	36.76	35.31	33.99
2875.8	2375.8	36.30	35.53	34.49
2936.2	2436.2	36.68	36.07	35.05
3016.7	2516.7	37.63	37.29	36.45
3077.2	2577.2	37.92	38.02	37.47
3157.7	2657.7	36.08	37.03	37.27
3218.1	2718.1	34.38	35.75	36.55
3298.7	2798.7	32.34	33.69	34.63
3359.1	2859.1	31.25	32.19	32.76
3439.7	2939.7	30.37	30.73	30.71
3500.1	3000.1	30.04	30.19	30.11

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=2100MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
620.1	120.1	3.24	2.55	2.24	120.1	157.93	144.77	144.77	10.0	1.29	1.39	1.57
700.7	200.7	2.20	2.17	2.17	200.7	12.26	12.52	12.61	70.6	1.10	1.24	1.44
781.2	281.2	2.34	2.20	2.14	281.2	42.38	42.38	42.38	131.2	1.27	1.33	1.48
861.8	361.8	2.55	2.32	2.19	361.8	64.35	64.35	64.35	191.8	1.43	1.46	1.58
942.3	442.3	2.75	2.44	2.27	442.3	72.39	72.39	69.49	232.2	1.52	1.52	1.61
1022.9	522.9	2.82	2.19	1.89	522.9	66.82	66.82	62.05	292.8	1.71	1.67	1.73
1103.5	603.5	2.95	2.37	2.03	603.5	69.49	66.82	64.35	333.2	1.84	1.78	1.81
1184.0	684.0	3.06	2.48	2.12	684.0	62.05	62.05	59.91	393.8	1.98	1.89	1.90
1264.6	764.6	3.09	2.51	2.14	764.6	56.04	54.29	52.65	434.2	2.11	1.97	1.94
1345.1	845.1	3.02	2.48	2.11	845.1	48.26	46.96	44.55	494.8	2.25	2.08	2.03
1425.7	925.7	2.91	2.41	2.08	925.7	41.37	40.41	37.77	535.3	2.35	2.16	2.08
1506.3	1006.3	2.68	2.24	1.96	1006.3	36.20	34.75	31.60	595.9	2.44	2.20	2.09
1586.8	1086.8	2.50	2.07	1.81	1086.8	32.18	31.03	28.49	636.3	2.57	2.31	2.17
1667.4	1167.4	2.23	1.86	1.64	1167.4	29.46	28.49	27.16	696.9	2.67	2.36	2.18
1747.9	1247.9	1.98	1.67	1.51	1247.9	25.19	24.48	23.81	737.3	2.72	2.39	2.20
1808.4	1308.4	1.83	1.57	1.44	1308.4	21.73	20.70	19.11	797.9	2.82	2.46	2.23
1888.9	1388.9	1.61	1.44	1.38	1388.9	16.72	15.96	14.87	838.3	2.85	2.48	2.25
1949.3	1449.3	1.48	1.38	1.38	1449.3	12.99	12.52	12.01	898.9	2.97	2.57	2.31
2029.9	1529.9	1.38	1.35	1.41	1529.9	8.55	8.12	7.76	939.3	2.91	2.52	2.25
2090.3	1590.3	1.32	1.37	1.47	1590.3	6.28	5.95	5.63	999.9	3.01	2.60	2.32
2170.9	1670.9	1.35	1.44	1.55	1670.9	3.72	3.53	3.37	1040.3	2.97	2.57	2.29
2231.3	1731.3	1.38	1.48	1.57	1731.3	2.37	2.27	2.20	1100.9	3.02	2.62	2.33
2311.8	1811.8	1.39	1.46	1.54	1811.8	2.02	2.05	2.09	1141.3	2.96	2.56	2.28
2372.3	1872.3	1.41	1.47	1.54	1872.3	2.87	2.98	3.08	1201.9	2.96	2.58	2.31
2452.8	1952.8	1.43	1.46	1.51	1952.8	4.92	5.09	5.22	1242.3	2.95	2.57	2.29
2513.2	2013.2	1.49	1.49	1.53	2013.2	6.86	7.00	7.00	1302.9	2.84	2.48	2.22
2593.8	2093.8	1.59	1.55	1.56	2093.8	9.69	9.69	9.33	1343.3	2.88	2.53	2.27
2654.2	2154.2	1.66	1.61	1.61	2154.2	11.93	12.01	11.85	1403.9	2.76	2.43	2.19
2734.8	2234.8	1.75	1.67	1.66	2234.8	14.03	13.92	13.60	1444.3	2.72	2.40	2.17
2795.2	2295.2	1.83	1.72	1.69	2295.2	14.74	14.03	12.71	1504.9	2.58	2.29	2.07
2875.8	2375.8	1.86	1.72	1.68	2375.8	15.00	14.26	12.99	1545.4	2.59	2.31	2.11
2936.2	2436.2	1.84	1.71	1.66	2436.2	14.74	14.38	13.81	1606.0	2.52	2.25	2.06
3016.7	2516.7	1.83	1.69	1.62	2516.7	13.39	12.89	12.01	1646.4	2.46	2.20	2.01
3077.2	2577.2	1.82	1.67	1.59	2577.2	12.09	11.31	10.13	1707.0	2.41	2.17	1.99
3157.7	2657.7	1.81	1.66	1.58	2657.7	10.56	10.02	9.33	1747.4	2.37	2.14	1.97
3218.1	2718.1	1.81	1.66	1.59	2718.1	9.33	8.95	8.47	1808.0	2.32	2.10	1.95
3298.7	2798.7	1.82	1.65	1.57	2798.7	7.66	7.28	6.83	1848.4	2.23	2.03	1.88
3359.1	2859.1	1.81	1.63	1.54	2859.1	6.53	6.19	5.83	1909.0	2.21	2.02	1.89
3439.7	2939.7	1.80	1.63	1.54	2939.7	5.38	5.14	4.91	1949.4	2.16	1.99	1.87
3500.1	3000.1	1.77	1.62	1.52	3000.1	4.68	4.51	4.34	2010.0	2.12	1.97	1.87

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	15	25	31	29	38	35	34	36	50	48
1	-	25	+0	30	15	35	24	41	43	52	46	54
2	59	46	51	61	54	65	61	61	74	59	67	68
3	>90	65	53	62	54	57	51	60	56	61	63	67
4	>90	>83	>83	79	>83	>83	80	>83	73	81	75	>83
5	>90	>83	>83	>83	>83	>83	79	78	76	75	82	77
6	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
7	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
8	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
9	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
10	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1925 MHz; 0.00 dBm.
LO IN: 1425 MHz; +17.00 dBm
IF OUT: 500 MHz; -7.46 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	25	40	45	42	57	51	50	53	58	68
1	-	26	+0	33	16	40	26	48	43	58	43	60
2	39	39	42	51	48	53	55	69	56	54	67	51
3	67	56	34	51	35	47	36	58	44	65	55	83
4	89	62	59	62	82	68	66	61	61	62	65	68
5	>90	76	71	71	58	67	50	58	47	58	54	61
6	>90	67	81	71	84	76	78	87	66	73	67	70
7	>90	91	84	80	78	88	64	70	65	65	60	64
8	>90	>92	>92	>92	88	83	92	78	85	>92	>92	85
9	>90	90	>92	>92	>92	>92	>92	>92	82	83	73	82
10	>90	>92	>92	>92	>92	>92	>92	86	>92	89	90	91
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1925 MHz; 10.00 dBm.
LO IN: 1425 MHz; +17.00 dBm
IF OUT: 500 MHz; 2.45 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. X2
HJK-ED9680/1
101012
Page 5 of 5