

Frequency Mixer

HJK-ED12741/1

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=+17dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
+14	+17	+20	+14	+17	+20	+14	+17	+20						
790.0	760.0	13.18	11.58	10.54	790.0	760.0	16.43	15.97	15.76	790.0	760.0	7.27	6.08	4.08
845.0	815.0	12.20	10.65	9.58	845.0	815.0	17.68	19.38	21.94	845.0	815.0	7.30	6.00	4.22
900.0	870.0	11.40	9.94	8.90	900.0	870.0	21.19	22.72	22.23	900.0	870.0	7.38	6.06	4.28
955.0	925.0	10.72	9.30	8.37	955.0	925.0	20.43	20.34	19.88	955.0	925.0	7.13	5.78	4.11
1010.0	980.0	10.15	8.75	7.88	1010.0	980.0	20.83	19.96	18.82	1010.0	980.0	6.77	5.41	3.81
1065.0	1035.0	9.79	8.41	7.64	1065.0	1035.0	23.34	20.41	19.53	1065.0	1035.0	6.28	4.96	3.42
1120.0	1090.0	9.49	8.14	7.40	1120.0	1090.0	23.15	18.58	18.69	1120.0	1090.0	5.87	4.73	3.23
1175.0	1145.0	9.21	7.88	7.27	1175.0	1145.0	20.12	17.86	19.27	1175.0	1145.0	5.72	4.59	3.11
1230.0	1200.0	8.88	7.74	7.21	1230.0	1200.0	17.90	17.83	19.78	1230.0	1200.0	6.79	5.15	3.38
1285.0	1255.0	8.56	7.70	7.28	1285.0	1255.0	17.13	18.26	21.18	1285.0	1255.0	6.51	5.34	3.39
1340.0	1310.0	8.09	7.32	6.95	1340.0	1310.0	17.47	18.95	21.57	1340.0	1310.0	3.60	2.70	1.89
1395.0	1365.0	7.63	7.07	6.81	1395.0	1365.0	18.54	20.99	23.25	1395.0	1365.0	2.75	1.87	1.18
1450.0	1420.0	7.16	6.80	6.63	1450.0	1420.0	20.78	23.43	25.77	1450.0	1420.0	2.17	1.36	0.75
1505.0	1475.0	6.94	6.66	6.51	1505.0	1475.0	22.60	25.03	27.70	1505.0	1475.0	1.72	1.03	0.57
1560.0	1530.0	6.98	6.83	6.74	1560.0	1530.0	22.86	25.17	27.30	1560.0	1530.0	1.24	0.83	0.53
1615.0	1585.0	7.13	7.05	7.01	1615.0	1585.0	24.71	27.32	30.12	1615.0	1585.0	0.93	0.51	0.26
1670.0	1640.0	7.11	7.06	7.04	1670.0	1640.0	26.80	30.02	33.68	1670.0	1640.0	0.66	0.31	0.17
1725.0	1695.0	7.03	7.03	7.05	1725.0	1695.0	27.42	30.98	35.23	1725.0	1695.0	0.61	0.28	0.15
1780.0	1750.0	6.87	6.85	6.86	1780.0	1750.0	26.74	30.26	34.44	1780.0	1750.0	0.76	0.36	0.17
1835.0	1805.0	6.77	6.74	6.74	1835.0	1805.0	25.41	28.41	32.08	1835.0	1805.0	1.00	0.52	0.26
1890.0	1860.0	6.71	6.66	6.65	1890.0	1860.0	24.67	27.47	30.81	1890.0	1860.0	1.19	0.64	0.33
1945.0	1915.0	6.75	6.65	6.62	1945.0	1915.0	24.18	27.05	29.95	1945.0	1915.0	1.30	0.73	0.38
2000.0	1970.0	6.84	6.74	6.70	2000.0	1970.0	23.25	26.44	29.30	2000.0	1970.0	1.57	0.86	0.46
2055.0	2025.0	6.93	6.81	6.76	2055.0	2025.0	23.14	26.47	29.47	2055.0	2025.0	1.59	0.85	0.47
2110.0	2080.0	7.09	7.00	6.96	2110.0	2080.0	22.49	25.54	28.74	2110.0	2080.0	1.84	0.97	0.53
2165.0	2135.0	7.26	7.20	7.18	2165.0	2135.0	22.64	25.66	28.88	2165.0	2135.0	1.78	0.92	0.51
2220.0	2190.0	7.39	7.32	7.29	2220.0	2190.0	22.42	25.40	28.83	2220.0	2190.0	1.72	0.96	0.54
2275.0	2245.0	7.61	7.60	7.62	2275.0	2245.0	21.94	25.54	29.37	2275.0	2245.0	1.74	0.98	0.53
2330.0	2300.0	7.63	7.64	7.67	2330.0	2300.0	22.37	26.60	30.44	2330.0	2300.0	1.64	0.88	0.46
2385.0	2355.0	7.82	7.84	7.89	2385.0	2355.0	21.83	26.21	30.25	2385.0	2355.0	1.75	0.92	0.47
2440.0	2410.0	7.96	8.02	8.08	2440.0	2410.0	22.76	27.45	31.86	2440.0	2410.0	1.46	0.73	0.36
2495.0	2465.0	8.07	8.11	8.18	2495.0	2465.0	22.30	26.82	32.18	2495.0	2465.0	1.59	0.77	0.36
2550.0	2520.0	8.42	8.49	8.59	2550.0	2520.0	22.95	27.66	32.14	2550.0	2520.0	1.30	0.65	0.29
2605.0	2575.0	8.49	8.53	8.61	2605.0	2575.0	23.16	27.95	33.14	2605.0	2575.0	1.21	0.60	0.28
2660.0	2630.0	8.91	8.94	9.01	2660.0	2630.0	23.25	28.06	33.13	2660.0	2630.0	1.14	0.58	0.27
2715.0	2685.0	9.11	9.11	9.17	2715.0	2685.0	24.24	29.08	33.50	2715.0	2685.0	0.94	0.49	0.24
2770.0	2740.0	9.45	9.40	9.42	2770.0	2740.0	23.97	29.12	32.73	2770.0	2740.0	0.94	0.49	0.26
2825.0	2795.0	9.90	9.84	9.84	2825.0	2795.0	24.90	30.31	33.35	2825.0	2795.0	0.74	0.38	0.20
2875.0	2845.0	10.11	10.00	9.96	2875.0	2845.0	24.71	29.87	32.51	2875.0	2845.0	0.69	0.37	0.20
2930.0	2900.0	10.80	10.66	10.60	2930.0	2900.0	25.76	30.79	32.21	2930.0	2900.0	0.54	0.30	0.18

REV. X2

HJK-ED12741/1

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-ED12741/1

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1740MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1730MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1750MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
670.0	1070.0	10.09	10.1	1740.1	6.95	690.0	1060.0	10.18
633.8	1106.2	9.95	70.1	1800.1	6.74	670.0	1080.0	10.08
597.7	1142.3	9.49	130.1	1860.1	6.63	650.0	1100.0	9.98
561.5	1178.5	9.23	190.1	1920.1	6.56	630.0	1120.0	9.83
525.3	1214.7	8.78	250.1	1980.1	6.58	610.0	1140.0	9.61
489.2	1250.8	8.59	310.1	2040.1	6.59	590.0	1160.0	9.42
453.0	1287.0	8.40	370.1	2100.1	6.74	570.0	1180.0	9.26
416.8	1323.2	7.80	430.1	2160.1	7.01	550.0	1200.0	9.02
380.7	1359.3	7.49	490.1	2220.1	7.22	530.0	1220.0	8.76
344.5	1395.5	7.21	550.1	2280.1	7.57	510.0	1240.0	8.64
308.4	1431.6	6.99	610.1	2340.1	7.81	490.0	1260.0	8.59
272.2	1467.8	6.89	670.1	2400.1	7.98	470.0	1280.0	8.46
236.0	1504.0	6.79	730.1	2460.1	8.28	450.0	1300.0	8.23
199.9	1540.1	7.05	790.1	2520.1	8.46	430.0	1320.0	7.84
163.7	1576.3	7.14	850.1	2580.1	8.58	410.0	1340.0	7.69
127.5	1612.5	7.25	910.1	2640.1	8.65	390.0	1360.0	7.49
91.4	1648.6	7.20	970.1	2700.1	8.67	370.0	1380.0	7.38
55.2	1684.8	7.14	1030.1	2760.1	8.64	350.0	1400.0	7.17
19.0	1721.0	6.93	1090.1	2820.1	8.63	330.0	1420.0	7.08
72.5	1812.5	6.68	1150.1	2880.1	8.64	310.0	1440.0	6.96
197.4	1937.4	6.56	1210.1	2940.1	8.65	290.0	1460.0	6.91
322.3	2062.3	6.68	1270.1	3000.1	8.63	280.0	1470.0	6.87
447.3	2187.3	7.10	1330.1	3060.1	8.40	260.0	1490.0	6.82
541.0	2281.0	7.52	1390.1	3120.1	8.36	250.0	1500.0	6.83
665.9	2405.9	7.99	1450.1	3180.1	8.37	230.0	1520.0	6.89
759.6	2499.6	8.36	1510.1	3240.1	8.26	220.0	1530.0	6.96
884.5	2624.5	8.61	1570.1	3300.1	8.21	200.0	1550.0	7.07
978.2	2718.2	8.67	1630.1	3360.1	8.26	190.0	1560.0	7.19
1103.2	2843.2	8.63	1690.1	3420.1	8.31	170.0	1580.0	7.14
1196.8	2936.8	8.67	1750.1	3480.1	8.52	160.0	1590.0	7.22
1321.8	3061.8	8.40	1810.1	3540.1	8.68	140.0	1610.0	7.18
1415.5	3155.5	8.34	1870.1	3600.1	8.82	130.0	1620.0	7.21
1540.4	3280.4	8.20	1930.1	3660.1	9.04	110.0	1640.0	7.17
1634.1	3374.1	8.26	1990.1	3720.1	9.21	100.0	1650.0	7.15
1759.0	3499.0	8.54	2030.1	3760.1	9.29	80.0	1670.0	7.23
1852.7	3592.7	8.79	2090.1	3820.1	9.43	70.0	1680.0	7.09
1977.7	3717.7	9.20	2130.1	3860.1	9.42	50.0	1700.0	7.14
2071.4	3811.4	9.40	2190.1	3920.1	9.78	40.0	1710.0	7.03
2196.3	3936.3	9.86	2230.1	3960.1	9.80	20.0	1730.0	6.92
2290.0	4030.0	10.24	2290.1	4020.1	10.18	10.0	1740.0	6.96

REV. X2

HJK-ED12741/1

101012

Page 2 of 5



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

P.O. Box 350186, Brooklyn, New York 11235-0008 (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-ED12741/1

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20
760.0	62.89	61.27	60.77	37.25	37.57	37.75
815.0	61.72	60.04	60.28	36.70	37.02	37.17
870.0	59.49	58.00	57.98	36.13	36.53	36.68
925.0	57.59	56.82	56.54	35.66	36.05	36.22
980.0	55.29	55.12	54.88	35.20	35.65	35.88
1035.0	57.57	56.95	56.76	34.96	35.31	35.53
1090.0	56.15	56.01	55.59	34.48	34.99	35.27
1145.0	59.67	60.27	60.62	34.28	34.70	34.98
1200.0	58.72	60.30	61.22	34.08	34.63	34.88
1255.0	50.80	52.47	54.75	34.25	34.84	35.18
1310.0	47.29	48.53	49.54	34.88	35.49	35.85
1365.0	44.89	45.06	45.22	35.42	35.96	36.34
1420.0	41.21	41.23	41.27	36.32	37.03	37.43
1475.0	36.79	36.58	36.36	36.12	36.85	37.25
1530.0	36.27	36.43	36.48	34.00	34.37	34.72
1585.0	42.81	43.68	44.47	34.81	35.07	35.24
1640.0	44.60	45.67	46.48	37.61	37.80	37.93
1695.0	42.12	43.33	44.19	39.39	39.49	39.71
1750.0	39.11	40.03	40.62	38.07	38.08	38.02
1805.0	37.18	38.12	38.55	36.10	36.10	36.05
1860.0	35.98	36.73	37.04	34.58	34.49	34.38
1915.0	35.38	35.97	36.28	33.04	32.83	32.80
1970.0	34.58	35.01	35.24	31.95	31.67	31.54
2025.0	34.32	34.54	34.64	30.72	30.30	30.11
2080.0	34.34	34.53	34.61	29.85	29.33	29.05
2135.0	34.22	34.43	34.53	29.32	28.68	28.34
2190.0	34.86	35.45	35.79	29.67	29.00	28.62
2245.0	36.48	37.25	37.62	31.91	31.18	30.64
2300.0	38.84	39.66	40.24	32.73	32.17	31.86
2355.0	40.37	41.27	41.96	32.46	32.32	32.24
2410.0	40.90	41.48	41.83	31.42	31.42	31.51
2465.0	41.72	42.31	42.46	30.69	30.89	30.83
2520.0	41.64	41.95	41.87	29.91	30.32	30.23
2575.0	41.99	42.19	42.17	29.31	29.64	29.62
2630.0	42.22	42.16	42.07	28.89	29.27	29.32
2685.0	42.42	42.63	42.54	28.46	28.89	28.96
2740.0	42.68	42.62	42.79	28.22	28.53	28.85
2795.0	43.86	44.00	44.08	28.10	28.46	28.74
2845.0	44.98	45.20	45.47	28.09	28.51	28.93
2900.0	47.66	47.82	48.11	28.13	28.52	29.00

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
790.0	760.0	36.28	38.21	36.40
845.0	815.0	32.55	32.90	31.85
900.0	870.0	34.54	35.97	35.31
955.0	925.0	33.69	34.09	33.70
1010.0	980.0	36.40	37.50	37.92
1065.0	1035.0	36.43	34.53	32.28
1120.0	1090.0	36.96	36.11	35.39
1175.0	1145.0	34.07	32.05	30.93
1230.0	1200.0	30.60	28.93	28.69
1285.0	1255.0	25.44	23.29	23.03
1340.0	1310.0	25.90	25.60	26.96
1395.0	1365.0	31.26	31.66	32.53
1450.0	1420.0	36.72	37.51	38.78
1505.0	1475.0	39.02	39.76	40.57
1560.0	1530.0	42.40	43.70	43.09
1615.0	1585.0	46.05	42.16	37.82
1670.0	1640.0	46.65	43.27	40.16
1725.0	1695.0	48.03	44.59	41.18
1780.0	1750.0	50.77	46.80	42.37
1835.0	1805.0	52.54	47.79	41.96
1890.0	1860.0	56.41	51.06	43.36
1945.0	1915.0	57.03	53.88	44.44
2000.0	1970.0	61.92	59.43	46.21
2055.0	2025.0	51.66	47.48	45.26
2110.0	2080.0	42.62	40.00	38.66
2165.0	2135.0	36.95	35.03	33.99
2220.0	2190.0	34.92	33.68	32.73
2275.0	2245.0	35.20	34.50	33.58
2330.0	2300.0	35.10	34.88	34.13
2385.0	2355.0	34.85	34.87	34.37
2440.0	2410.0	34.55	34.74	34.47
2495.0	2465.0	34.12	34.46	34.42
2550.0	2520.0	33.89	34.25	34.36
2605.0	2575.0	33.76	34.15	34.33
2660.0	2630.0	33.98	34.29	34.56
2715.0	2685.0	34.47	34.68	34.91
2770.0	2740.0	35.16	35.26	35.42
2825.0	2795.0	36.02	36.04	36.18
2875.0	2845.0	37.08	37.03	37.20
2930.0	2900.0	38.75	38.58	38.90

REV. X2

HJK-ED12741/1

101012

Page 3 of 5



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

P.O. Box 350186, 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-ED12741/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=1700MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
790.0	760.0	2.44	2.08	2.02	760.0	115.81	108.58	96.51	10.0	1.69	1.86	1.99
845.0	815.0	2.32	1.96	1.85	815.0	108.58	102.19	91.43	50.5	1.68	1.86	1.99
900.0	870.0	2.33	1.99	1.88	870.0	102.19	91.43	78.97	91.0	1.65	1.83	1.95
955.0	925.0	2.27	1.94	1.81	925.0	86.86	82.73	78.97	131.4	1.64	1.81	1.92
1010.0	980.0	2.28	1.94	1.82	980.0	91.43	82.73	69.49	171.9	1.60	1.75	1.86
1065.0	1035.0	2.29	1.93	1.82	1035.0	72.39	69.49	64.35	212.4	1.58	1.72	1.82
1120.0	1090.0	2.31	1.95	1.84	1090.0	69.49	64.35	57.91	252.9	1.56	1.68	1.77
1175.0	1145.0	2.37	1.97	1.87	1145.0	59.91	56.04	51.10	293.4	1.54	1.64	1.71
1230.0	1200.0	2.32	1.97	1.87	1200.0	46.96	44.55	42.38	333.9	1.57	1.65	1.72
1285.0	1255.0	2.22	1.92	1.83	1255.0	36.20	34.07	30.49	374.3	1.56	1.61	1.65
1340.0	1310.0	2.16	1.90	1.82	1310.0	29.46	28.96	28.03	414.8	1.66	1.69	1.73
1395.0	1365.0	2.08	1.86	1.79	1365.0	23.18	21.73	19.98	455.3	1.67	1.67	1.69
1450.0	1420.0	1.96	1.80	1.73	1420.0	16.26	15.81	15.39	495.8	1.83	1.81	1.81
1505.0	1475.0	1.84	1.70	1.65	1475.0	10.31	9.96	9.63	536.3	1.86	1.81	1.80
1560.0	1530.0	1.62	1.51	1.47	1530.0	6.07	5.85	5.68	576.7	2.04	1.96	1.93
1615.0	1585.0	1.40	1.34	1.32	1585.0	3.74	3.64	3.58	617.2	2.12	2.03	1.99
1670.0	1640.0	1.32	1.28	1.27	1640.0	2.33	2.28	2.24	657.7	2.27	2.15	2.09
1725.0	1695.0	1.24	1.22	1.23	1695.0	1.90	1.90	1.90	698.2	2.42	2.29	2.23
1780.0	1750.0	1.15	1.13	1.15	1750.0	2.36	2.40	2.43	738.7	2.48	2.33	2.25
1835.0	1805.0	1.11	1.05	1.08	1805.0	3.22	3.29	3.31	779.2	2.72	2.57	2.48
1890.0	1860.0	1.09	1.03	1.10	1860.0	4.18	4.24	4.24	819.6	2.68	2.52	2.44
1945.0	1915.0	1.12	1.09	1.14	1915.0	5.09	5.16	5.17	860.1	2.96	2.79	2.69
2000.0	1970.0	1.13	1.13	1.18	1970.0	5.89	5.89	5.79	900.6	2.90	2.73	2.63
2055.0	2025.0	1.15	1.20	1.25	2025.0	6.51	6.56	6.53	941.1	3.10	2.92	2.82
2110.0	2080.0	1.15	1.22	1.29	2080.0	6.94	6.91	6.78	981.6	3.10	2.93	2.84
2165.0	2135.0	1.22	1.35	1.42	2135.0	7.28	7.25	7.14	1022.0	3.14	2.97	2.86
2220.0	2190.0	1.32	1.48	1.57	2190.0	7.50	7.47	7.38	1062.5	3.23	3.07	2.97
2275.0	2245.0	1.46	1.66	1.78	2245.0	7.73	7.63	7.38	1103.0	3.11	2.95	2.86
2330.0	2300.0	1.63	1.87	2.00	2300.0	7.90	7.87	7.83	1143.5	3.24	3.09	3.00
2385.0	2355.0	1.76	2.03	2.18	2355.0	8.01	7.87	7.56	1184.0	3.07	2.94	2.86
2440.0	2410.0	2.00	2.29	2.44	2410.0	8.01	7.97	7.90	1224.5	3.14	3.02	2.94
2495.0	2465.0	2.13	2.45	2.64	2465.0	8.05	7.94	7.70	1285.2	3.00	2.90	2.83
2550.0	2520.0	2.44	2.76	2.97	2520.0	7.94	7.83	7.63	1325.7	2.86	2.78	2.73
2605.0	2575.0	2.64	2.98	3.18	2575.0	7.80	7.70	7.53	1386.4	2.69	2.63	2.59
2660.0	2630.0	2.92	3.27	3.49	2630.0	7.53	7.31	6.97	1426.9	2.61	2.57	2.55
2715.0	2685.0	3.28	3.61	3.82	2685.0	7.31	7.22	7.11	1487.6	2.37	2.37	2.36
2770.0	2740.0	3.58	3.93	4.10	2740.0	6.91	6.71	6.37	1528.1	2.19	2.20	2.21
2825.0	2795.0	4.09	4.42	4.59	2795.0	6.53	6.44	6.32	1588.8	1.94	1.97	1.99
2875.0	2845.0	4.38	4.67	4.83	2845.0	6.15	6.01	5.77	1629.3	1.76	1.79	1.82
2930.0	2900.0	5.04	5.33	5.47	2900.0	5.59	5.49	5.36	1690.0	1.50	1.51	1.53

REV. X2

HJK-ED12741/1

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	-	-	15	8	19	28	34	38	38	47	50	46
1	-	35	+0	38	17	38	29	39	39	51	49	60
2	58	56	51	70	69	69	64	68	68	72	76	76
3	>90	>83	70	>83	67	77	75	82	73	>83	>83	>83
4	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
5	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
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: 1740 MHz; 0.00 dBm.
LO IN: 1710 MHz; +17.00 dBm
IF OUT: 30 MHz; -7.13 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	25	18	30	40	42	46	50	56	59	55
1	-	35	+0	38	18	37	30	40	41	53	55	61
2	38	46	40	58	60	59	53	60	59	64	66	69
3	68	64	48	60	44	64	51	67	53	66	61	70
4	89	76	73	88	67	75	67	76	75	82	83	91
5	>90	>93	80	>93	82	76	76	78	87	86	82	92
6	>90	>93	>93	>93	91	>93	81	91	84	92	91	>93
7	>90	>93	>93	>93	>93	>93	88	92	83	>93	>93	>93
8	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
9	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	90	>93
10	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1740 MHz; 10.00 dBm.
LO IN: 1710 MHz; +17.00 dBm
IF OUT: 30 MHz; 2.74 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-ED12741/1

101012

Page 5 of 5

