

Frequency Mixer

HJK-ED12074/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=72MHz (dB)		
		@LO (dBm)		
		+14	+17	+20
600.1	528.1	9.09	9.20	9.62
640.1	568.1	8.75	8.55	8.42
680.1	608.1	7.91	7.80	7.77
720.1	648.1	7.35	7.25	7.23
760.1	688.1	7.18	7.17	7.21
800.1	728.1	6.96	6.98	7.06
840.1	768.1	6.93	7.00	7.14
880.1	808.1	6.94	7.07	7.22
920.1	848.1	6.82	6.93	7.05
960.1	888.1	7.01	7.11	7.25
1000.1	928.1	7.14	7.23	7.38
1040.1	968.1	7.27	7.35	7.48
1080.1	1008.1	7.35	7.39	7.51
1120.1	1048.1	7.41	7.39	7.45
1160.1	1088.1	7.35	7.30	7.33
1200.1	1128.1	7.38	7.32	7.33
1240.1	1168.1	7.42	7.34	7.35
1280.1	1208.1	7.61	7.53	7.52
1320.1	1248.1	7.66	7.57	7.55
1360.1	1288.1	7.78	7.69	7.66
1400.1	1328.1	7.93	7.82	7.78
1440.1	1368.1	7.93	7.81	7.77
1480.1	1408.1	8.27	8.16	8.14
1520.1	1448.1	8.24	8.11	8.09
1560.1	1488.1	8.50	8.39	8.39
1605.1	1533.1	8.55	8.41	8.40
1645.1	1573.1	8.63	8.50	8.51
1690.1	1618.1	8.81	8.64	8.62
1730.1	1658.1	8.73	8.55	8.52
1775.1	1703.1	9.11	8.92	8.87
1815.1	1743.1	8.96	8.76	8.66
1860.1	1788.1	9.49	9.29	9.19
1900.1	1828.1	9.34	9.10	8.94
1945.1	1873.1	9.77	9.53	9.37
1985.1	1913.1	9.75	9.46	9.27
2030.1	1958.1	9.97	9.69	9.50
2070.1	1998.1	10.35	10.02	9.83
2115.1	2043.1	10.25	9.94	9.76
2155.1	2083.1	10.93	10.65	10.46
2200.1	2128.1	10.65	10.35	10.16

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+14	+17	+20
600.1	528.1	10.34	11.32	12.97
640.1	568.1	11.00	12.46	15.97
680.1	608.1	14.04	17.80	20.67
720.1	648.1	16.60	19.66	22.30
760.1	688.1	19.95	22.36	24.88
800.1	728.1	23.32	25.79	28.11
840.1	768.1	25.87	28.13	31.47
880.1	808.1	28.98	32.46	32.83
920.1	848.1	30.80	33.15	33.47
960.1	888.1	27.52	29.01	31.42
1000.1	928.1	24.86	26.91	28.48
1040.1	968.1	22.28	24.93	27.43
1080.1	1008.1	21.00	23.50	25.86
1120.1	1048.1	18.94	21.91	24.65
1160.1	1088.1	18.90	22.25	24.75
1200.1	1128.1	19.45	22.58	24.73
1240.1	1168.1	18.68	21.99	24.00
1280.1	1208.1	18.37	21.90	24.36
1320.1	1248.1	18.01	21.86	24.52
1360.1	1288.1	17.77	21.72	25.00
1400.1	1328.1	17.54	21.43	24.89
1440.1	1368.1	17.07	21.28	24.90
1480.1	1408.1	17.09	21.44	25.21
1520.1	1448.1	16.89	21.21	25.90
1560.1	1488.1	16.79	21.18	26.15
1605.1	1533.1	16.57	20.88	25.82
1645.1	1573.1	16.01	20.19	24.72
1690.1	1618.1	16.07	20.05	24.44
1730.1	1658.1	15.71	19.61	23.19
1775.1	1703.1	16.28	20.11	23.67
1815.1	1743.1	16.36	19.96	23.48
1860.1	1788.1	16.72	20.33	24.03
1900.1	1828.1	16.40	19.79	23.41
1945.1	1873.1	16.37	19.64	23.49
1985.1	1913.1	16.28	19.72	23.75
2030.1	1958.1	16.47	20.01	24.46
2070.1	1998.1	16.92	21.09	25.29
2115.1	2043.1	16.93	21.16	25.15
2155.1	2083.1	18.22	22.41	26.54
2200.1	2128.1	17.77	22.04	25.75

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+11dBm (dB)		
		@LO (dBm)		
		+14	+17	+20
600.1	528.1	2.66	2.07	0.96
640.1	568.1	2.20	2.27	2.04
680.1	608.1	2.20	1.75	1.04
720.1	648.1	1.84	1.19	0.56
760.1	688.1	1.09	0.53	0.28
800.1	728.1	0.46	0.25	0.13
840.1	768.1	0.22	0.13	0.07
880.1	808.1	0.11	0.07	0.04
920.1	848.1	0.10	0.06	0.04
960.1	888.1	0.15	0.10	0.06
1000.1	928.1	0.27	0.15	0.10
1040.1	968.1	0.60	0.29	0.17
1080.1	1008.1	0.95	0.41	0.22
1120.1	1048.1	1.18	0.66	0.35
1160.1	1088.1	1.43	0.79	0.38
1200.1	1128.1	1.32	0.70	0.34
1240.1	1168.1	1.30	0.70	0.37
1280.1	1208.1	1.43	0.75	0.36
1320.1	1248.1	1.60	0.80	0.37
1360.1	1288.1	1.77	0.85	0.37
1400.1	1328.1	1.89	0.88	0.39
1440.1	1368.1	2.12	0.96	0.45
1480.1	1408.1	2.05	0.89	0.41
1520.1	1448.1	2.22	1.00	0.44
1560.1	1488.1	2.20	0.96	0.41
1605.1	1533.1	2.18	0.97	0.43
1645.1	1573.1	2.32	1.06	0.49
1690.1	1618.1	2.20	1.03	0.49
1730.1	1658.1	2.41	1.18	0.60
1775.1	1703.1	2.17	1.06	0.52
1815.1	1743.1	2.25	1.15	0.53
1860.1	1788.1	1.90	0.93	0.40
1900.1	1828.1	1.92	0.98	0.43
1945.1	1873.1	1.74	0.88	0.38
1985.1	1913.1	1.71	0.88	0.40
2030.1	1958.1	1.60	0.84	0.38
2070.1	1998.1	1.42	0.68	0.34
2115.1	2043.1	1.42	0.71	0.36
2155.1	2083.1	1.08	0.55	0.27
2200.1	2128.1	1.19	0.61	0.31

REV. X2

HJK-ED12074/1

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-ED12074/1

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=900MHz (dB)
		@LO (dBm)
		+17
339.9	560.1	9.44
326.7	573.3	8.98
313.5	586.5	8.86
300.3	599.7	8.56
287.1	612.9	8.22
273.9	626.1	8.18
260.7	639.3	8.12
247.5	652.5	7.75
234.3	665.7	7.64
221.1	678.9	7.74
207.9	692.1	7.66
194.7	705.3	7.42
181.5	718.5	7.58
168.4	731.6	7.44
155.2	744.8	7.23
142.0	758.0	7.17
115.6	784.4	7.30
102.4	797.6	7.12
76.0	824.0	7.44
62.8	837.2	7.12
36.4	863.6	7.18
23.2	876.8	7.00
10.0	910.0	7.51
37.6	937.6	7.12
92.8	992.8	7.17
120.4	1020.4	6.95
175.6	1075.6	6.90
203.2	1103.2	7.13
258.4	1158.4	7.32
286.0	1186.0	7.40
341.2	1241.2	7.60
368.9	1268.9	7.81
424.1	1324.1	8.07
451.7	1351.7	8.17
506.9	1406.9	8.41
534.5	1434.5	8.59
589.7	1489.7	8.83
617.3	1517.3	8.93
672.5	1572.5	9.12
700.1	1600.1	9.14

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=730MHz (dB)
		@LO (dBm)
		+17
10.1	740.1	7.52
30.1	760.1	7.13
50.1	780.1	7.07
70.1	800.1	6.79
90.1	820.1	6.89
110.1	840.1	6.80
130.1	860.1	6.80
150.1	880.1	6.85
170.1	900.1	7.02
190.1	920.1	7.15
210.1	940.1	7.24
230.1	960.1	7.22
250.1	980.1	7.30
270.1	1000.1	7.37
290.1	1020.1	7.43
310.1	1040.1	7.36
330.1	1060.1	7.46
350.1	1080.1	7.52
370.1	1100.1	7.53
390.1	1120.1	7.63
410.1	1140.1	7.63
430.1	1160.1	7.81
450.1	1180.1	7.94
470.1	1200.1	7.95
490.1	1220.1	8.08
510.1	1240.1	8.16
530.1	1260.1	8.30
550.1	1280.1	8.32
570.1	1300.1	8.43
590.1	1320.1	8.46
610.1	1340.1	8.57
630.1	1360.1	8.67
670.1	1400.1	8.78
690.1	1420.1	8.84
730.1	1460.1	9.02
750.1	1480.1	9.02
790.1	1520.1	9.17
810.1	1540.1	9.22
850.1	1580.1	9.21
870.1	1600.1	9.19

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1410.1MHz (dB)
		@LO (dBm)
		+17
410.0	1000.1	8.99
399.7	1010.4	9.01
389.5	1020.6	9.09
379.2	1030.9	9.01
369.0	1041.1	9.00
358.7	1051.4	8.85
348.5	1061.6	8.95
338.2	1071.9	8.76
327.9	1082.2	8.82
317.7	1092.4	8.65
307.4	1102.7	8.61
297.2	1112.9	8.59
286.9	1123.2	8.61
276.7	1133.4	8.57
266.4	1143.7	8.36
256.2	1153.9	8.48
245.9	1164.2	8.45
235.6	1174.5	8.43
225.4	1184.7	8.22
215.1	1195.0	8.31
204.9	1205.2	8.31
194.6	1215.5	8.29
184.4	1225.7	8.25
174.1	1236.0	8.08
163.8	1246.3	8.14
153.6	1256.5	8.10
143.3	1266.8	8.15
133.1	1277.0	8.02
122.8	1287.3	8.06
112.6	1297.5	8.01
102.3	1307.8	8.02
92.1	1318.0	7.96
81.8	1328.3	7.86
71.5	1338.6	7.97
61.3	1348.8	7.90
51.0	1359.1	8.07
40.8	1369.3	7.90
30.5	1379.6	8.01
20.3	1389.8	8.07
10.0	1400.1	8.36

REV. X2

HJK-ED12074/1

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



Frequency Mixer

HJK-ED12074/1

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20
528.1	51.30	50.00	49.73	46.12	46.35	46.61
568.1	57.79	57.05	56.92	43.88	43.20	43.03
608.1	56.72	55.82	55.43	42.40	41.86	41.67
648.1	62.62	61.44	60.32	40.71	40.18	39.98
688.1	71.84	67.97	64.21	38.22	37.97	37.58
728.1	81.71	66.04	61.50	35.13	35.04	34.61
768.1	57.17	57.00	56.68	31.00	30.89	30.53
808.1	46.56	46.86	46.35	26.45	26.31	26.18
848.1	40.23	40.48	40.60	24.42	24.66	25.17
888.1	37.79	37.98	38.11	25.79	26.00	26.33
928.1	42.92	43.41	43.20	28.04	28.27	28.47
968.1	46.05	46.29	45.77	30.25	30.37	30.56
1008.1	46.16	46.33	46.17	31.60	31.66	31.74
1048.1	51.46	52.34	52.13	32.62	32.56	32.48
1088.1	56.57	57.77	57.17	32.97	32.82	32.68
1128.1	56.45	56.84	55.97	33.58	33.37	33.21
1168.1	57.94	58.61	57.68	34.08	33.98	33.87
1208.1	58.96	59.53	59.47	34.07	33.97	33.80
1248.1	56.48	56.54	56.64	34.27	34.13	33.94
1288.1	56.42	56.63	57.30	34.30	34.16	34.00
1328.1	59.17	59.94	61.13	34.33	34.18	34.05
1368.1	59.32	60.65	68.19	34.18	33.99	33.84
1408.1	57.77	58.09	60.60	33.65	33.16	32.99
1448.1	55.07	54.90	55.80	33.37	32.80	32.54
1488.1	53.74	53.00	51.72	33.05	32.39	32.04
1533.1	52.51	51.33	49.82	32.76	32.06	31.74
1573.1	51.18	49.58	46.75	32.55	31.87	31.47
1618.1	50.00	48.52	46.32	32.10	31.37	31.05
1658.1	49.36	47.81	44.94	31.99	31.24	30.85
1703.1	48.56	47.51	45.66	31.33	30.67	30.22
1743.1	48.18	47.35	46.06	31.26	30.46	30.02
1788.1	47.52	47.18	46.20	30.53	29.99	29.36
1828.1	47.60	47.64	47.06	30.47	30.00	29.42
1873.1	48.39	48.93	48.73	30.23	29.86	29.34
1913.1	50.35	51.49	51.66	30.07	29.77	29.22
1958.1	53.95	56.07	57.50	30.07	29.71	29.25
1998.1	52.00	52.78	53.29	29.95	29.54	29.04
2043.1	50.14	50.53	51.07	29.97	29.40	29.11
2083.1	49.18	48.92	49.07	29.80	29.21	28.89
2128.1	44.44	44.07	43.79	29.65	29.25	28.72

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
600.1	528.1	39.41	42.70	37.81
640.1	568.1	37.77	40.11	42.18
680.1	608.1	39.58	40.91	40.81
720.1	648.1	39.81	40.47	40.39
760.1	688.1	39.98	40.16	40.00
800.1	728.1	40.65	40.56	41.20
840.1	768.1	41.20	41.45	41.94
880.1	808.1	42.35	42.88	43.65
920.1	848.1	43.32	42.82	41.89
960.1	888.1	44.97	45.63	47.27
1000.1	928.1	48.43	50.42	65.43
1040.1	968.1	40.33	40.66	38.19
1080.1	1008.1	31.73	31.18	30.17
1120.1	1048.1	32.72	32.71	32.21
1160.1	1088.1	48.52	46.89	42.15
1200.1	1128.1	40.32	42.04	47.13
1240.1	1168.1	36.27	37.88	41.90
1280.1	1208.1	34.51	35.68	38.00
1320.1	1248.1	33.84	34.90	36.42
1360.1	1288.1	33.28	33.96	34.37
1400.1	1328.1	33.14	33.74	33.85
1440.1	1368.1	32.55	32.80	32.31
1480.1	1408.1	32.01	31.92	30.94
1520.1	1448.1	31.34	30.85	29.18
1560.1	1488.1	31.18	30.34	27.99
1605.1	1533.1	31.51	30.62	28.55
1645.1	1573.1	31.61	30.69	28.30
1690.1	1618.1	32.38	31.75	30.06
1730.1	1658.1	32.93	32.59	31.31
1775.1	1703.1	33.40	33.45	33.96
1815.1	1743.1	33.54	33.31	34.34
1860.1	1788.1	33.11	32.41	32.34
1900.1	1828.1	31.99	31.55	31.22
1945.1	1873.1	30.58	30.48	30.36
1985.1	1913.1	30.00	30.02	30.03
2030.1	1958.1	29.70	29.82	29.96
2070.1	1998.1	29.59	29.76	29.94
2115.1	2043.1	29.35	29.47	29.69
2155.1	2083.1	29.21	29.37	29.46
2200.1	2128.1	28.82	28.93	29.15

REV. X2

HJK-ED12074/1

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-ED12074/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=1400MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
600.1	528.1	1.14	1.10	1.10	528.1	13.81	13.09	10.89	10.0	1.03	1.10	1.17
640.6	568.6	1.28	1.45	1.59	568.1	13.49	12.80	10.69	27.9	1.05	1.12	1.20
681.1	609.1	1.35	1.49	1.60	608.1	13.29	12.71	10.62	45.9	1.15	1.18	1.23
721.6	649.6	1.39	1.50	1.62	648.1	12.35	11.85	10.13	63.8	1.18	1.21	1.26
762.1	690.1	1.46	1.57	1.68	688.1	11.17	10.75	9.33	81.8	1.31	1.33	1.37
802.6	730.6	1.54	1.65	1.77	728.1	9.33	9.04	8.01	99.7	1.29	1.31	1.35
843.1	771.1	1.65	1.76	1.88	768.1	6.26	6.03	5.46	117.7	1.44	1.45	1.47
883.6	811.6	1.75	1.87	1.97	808.1	2.81	2.61	2.26	135.6	1.42	1.43	1.46
924.2	852.2	1.76	1.86	1.95	848.1	1.71	1.80	2.03	153.6	1.60	1.60	1.60
964.7	892.7	1.76	1.86	1.96	888.1	3.53	3.64	3.69	171.5	1.63	1.64	1.65
1005.2	933.2	1.77	1.88	1.99	928.1	5.87	5.89	5.61	189.5	1.76	1.75	1.75
1045.7	973.7	1.72	1.83	1.94	968.1	7.90	7.76	7.02	207.4	1.76	1.76	1.76
1086.2	1014.2	1.70	1.80	1.91	1008.1	9.58	9.33	8.23	225.4	1.91	1.89	1.88
1126.7	1054.7	1.72	1.82	1.93	1048.1	10.43	10.02	8.68	243.3	1.92	1.90	1.90
1167.2	1095.2	1.73	1.82	1.92	1088.1	11.24	10.82	9.33	261.3	2.14	2.10	2.07
1207.7	1135.7	1.77	1.86	1.97	1128.1	11.77	11.31	9.74	279.2	2.18	2.16	2.15
1248.2	1176.2	1.81	1.90	2.00	1168.1	11.93	11.38	9.63	297.2	2.24	2.20	2.17
1288.7	1216.7	1.85	1.94	2.05	1208.1	12.52	12.09	10.31	315.1	2.30	2.26	2.24
1329.2	1257.2	1.90	2.01	2.11	1248.1	12.26	11.69	9.79	333.1	2.40	2.34	2.30
1369.7	1297.7	1.93	2.03	2.14	1288.1	12.89	12.35	10.50	351.0	2.52	2.47	2.44
1410.2	1338.2	2.00	2.10	2.21	1328.1	12.89	12.35	10.50	369.0	2.66	2.58	2.54
1450.7	1378.7	2.03	2.14	2.24	1368.1	12.89	12.35	10.37	386.9	2.71	2.65	2.62
1491.2	1419.2	2.09	2.20	2.31	1408.1	13.39	12.89	10.96	404.9	2.67	2.58	2.53
1531.7	1459.7	2.15	2.26	2.37	1448.1	12.80	12.26	10.31	422.8	2.82	2.75	2.70
1572.3	1500.3	2.20	2.31	2.42	1488.1	13.49	12.99	11.09	440.8	2.87	2.77	2.71
1612.8	1540.8	2.28	2.39	2.48	1533.1	12.89	12.35	10.43	458.7	3.09	3.00	2.94
1653.3	1581.3	2.31	2.40	2.50	1573.1	13.19	12.71	10.89	476.7	3.04	2.93	2.86
1693.8	1621.8	2.38	2.47	2.57	1618.1	12.89	12.44	10.62	494.6	3.10	3.00	2.95
1734.3	1662.3	2.45	2.52	2.61	1658.1	12.71	12.18	10.50	512.6	3.00	2.87	2.80
1774.8	1702.8	2.54	2.62	2.70	1703.1	12.71	12.26	10.62	530.5	3.27	3.17	3.10
1815.3	1743.3	2.63	2.69	2.77	1743.1	12.01	11.53	10.07	548.5	3.19	3.09	3.01
1855.8	1783.8	2.69	2.74	2.82	1788.1	12.09	11.69	10.43	566.4	3.36	3.27	3.21
1896.3	1824.3	2.82	2.85	2.92	1828.1	11.31	10.89	9.53	584.4	3.16	3.06	2.99
1936.8	1864.8	2.89	2.92	2.97	1873.1	11.61	11.31	10.19	602.3	3.31	3.21	3.14
1977.3	1905.3	3.04	3.06	3.10	1913.1	11.03	10.62	9.43	620.3	3.22	3.12	3.03
2017.8	1945.8	3.16	3.16	3.19	1958.1	11.17	10.89	9.90	638.2	3.49	3.40	3.32
2058.3	1986.3	3.27	3.26	3.29	1998.1	10.75	10.43	9.43	656.2	3.30	3.20	3.13
2098.8	2026.8	3.46	3.45	3.46	2043.1	10.75	10.43	9.48	674.1	3.43	3.33	3.25
2139.3	2067.3	3.52	3.50	3.52	2083.1	10.62	10.37	9.58	692.1	3.24	3.13	3.06
2200.1	2128.1	3.80	3.78	3.79	2128.1	10.25	9.85	8.90	710.0	3.40	3.29	3.21

REV. X2

HJK-ED12074/1

101012

Page 4 of 5

Mini-Circuits®

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	-	-	+3	22	8	15	19	34	26	32	49	28
1	-	35	+0	41	14	36	33	38	36	43	36	55
2	70	62	60	56	60	59	60	69	59	71	66	78
3	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
4	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
5	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
6	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
7	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
8	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
9	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 900 MHz; -4.00 dBm.
LO IN: 828 MHz; +17.00 dBm
IF OUT: 72 MHz; -11.12 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	7	33	18	25	30	44	36	42	58	39
1	-	35	+0	40	14	36	32	38	36	43	36	56
2	50	52	50	47	50	49	50	59	50	62	57	69
3	79	87	66	81	64	80	69	>89	71	76	72	82
4	>90	>89	>89	>89	84	>89	80	>89	84	>89	81	>89
5	>90	>89	>89	>89	>89	>89	>89	88	>89	>89	>89	>89
6	>90	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
7	>90	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
8	>90	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
9	>90	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
10	>90	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 900 MHz; 6.00 dBm.
LO IN: 828 MHz; +17.00 dBm
IF OUT: 72 MHz; -1.13 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-ED12074/1

101012

Page 5 of 5



Mini-Circuits®

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

