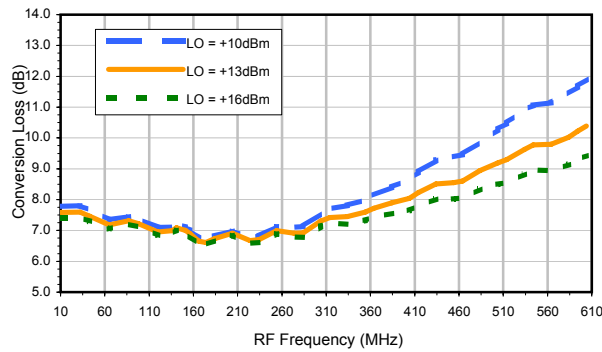


Frequency Mixer

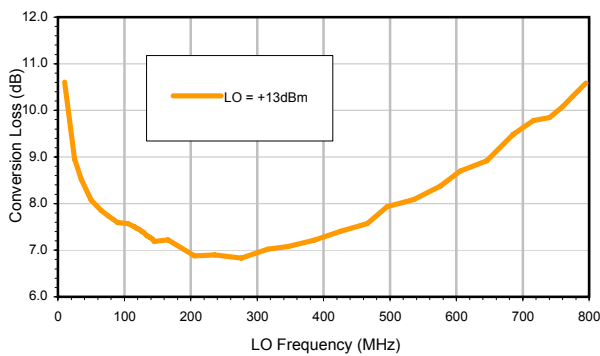
HJK-261MH+

Typical Performance Curves

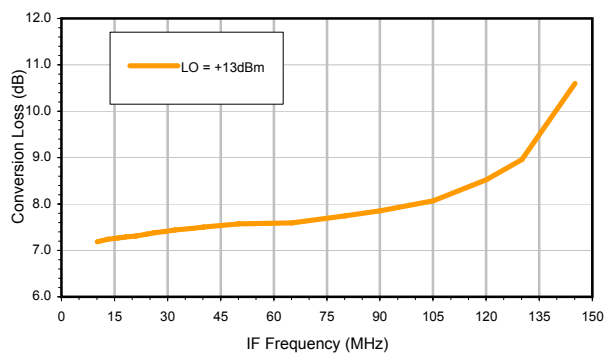
Conversion Loss @IF=70.1 MHz



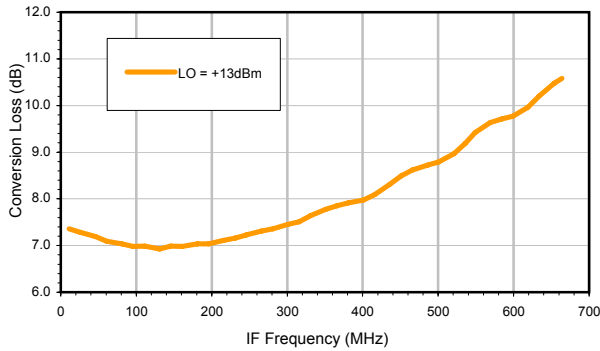
Conversion Loss vs. LO @ RF=155.1 MHz



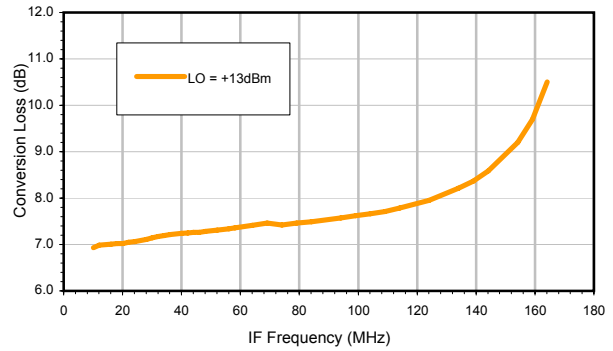
Conversion Loss vs. IF @ RF=155.1 MHz



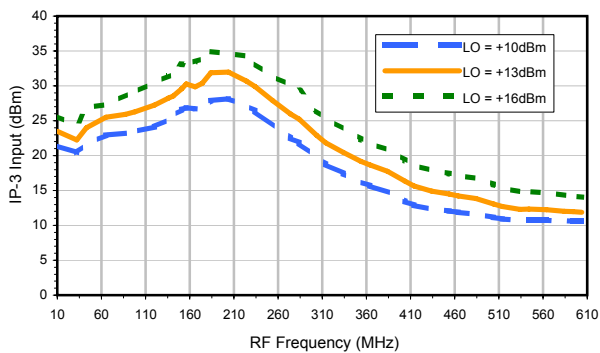
Conversion Loss vs. IF @ RF=136.1 MHz



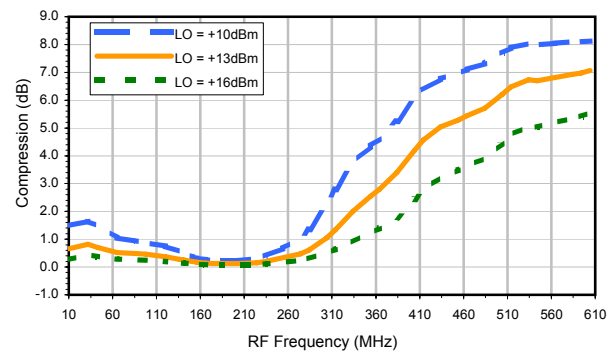
Conversion Loss vs. IF @ RF=174.1 MHz



IP-3 Input



Compression @RF IN=+14 dBm

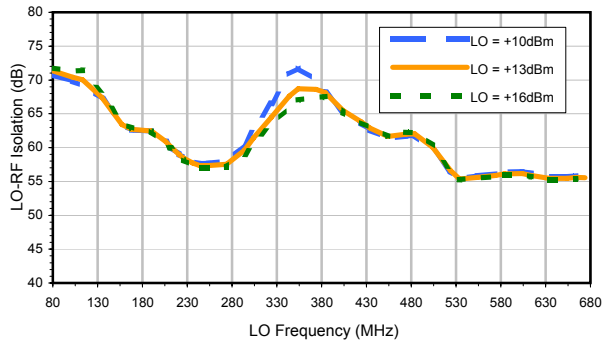


Frequency Mixer

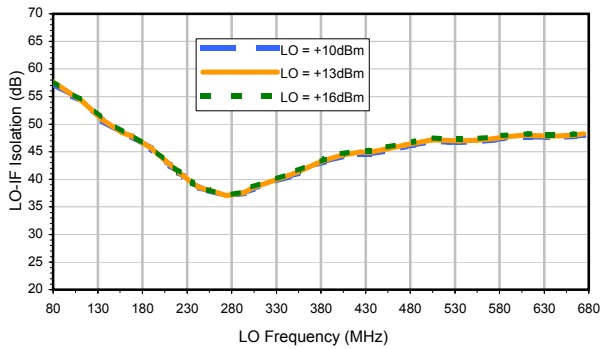
Typical Performance Curves

HJK-261MH+

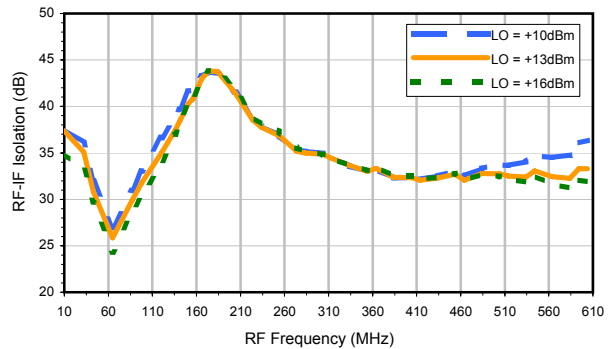
LO-RF Isolation



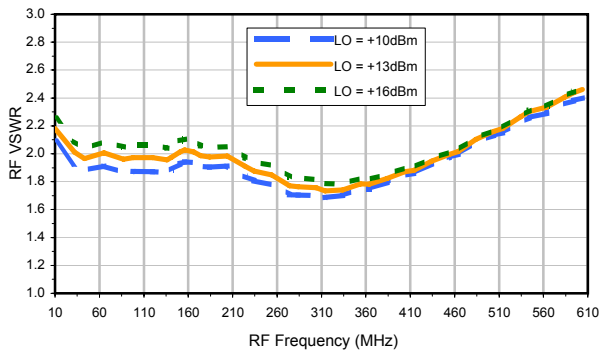
LO-IF Isolation



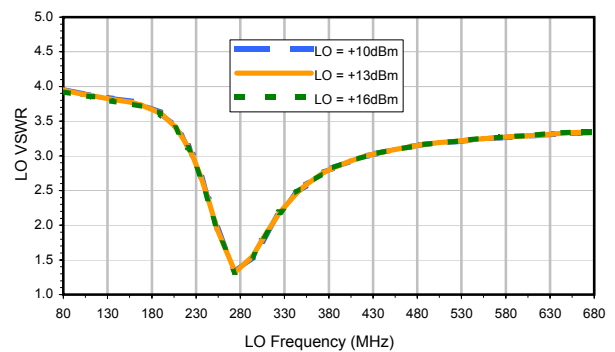
RF-IF Isolation



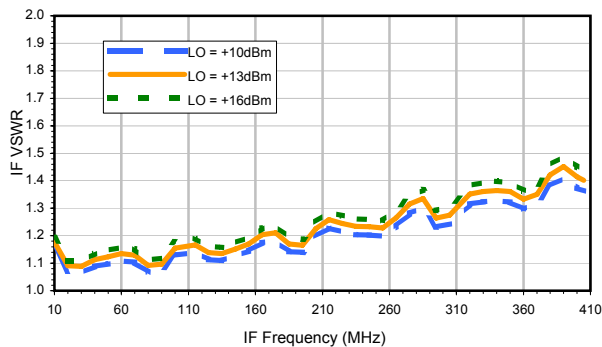
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	17.70	39.90	29.92	40.23	32.99	35.03	40.72	59.73	42.29	65.02
1	---	37.76	---	39.23	11.32	43.04	19.76	45.97	25.04	48.99	34.16	50.84
2	90.50	66.36	59.63	64.69	66.37	66.83	82.46	70.14	79.64	72.56	72.48	79.10
3	80.99	94.51	63.66	96.65	66.37	94.00	62.62	92.67	63.40	101.30	64.94	88.12
4	128.85	102.30	95.61	102.90	96.29	104.28	98.86	107.50	101.07	102.91	106.72	103.78
5	128.23	107.85	100.19	109.92	100.28	110.59	99.52	107.86	102.62	108.14	104.26	110.89
6	128.35	111.05	109.69	99.85	103.13	100.01	103.31	110.39	109.69	116.93	111.60	117.87
7	128.96	118.15	99.60	118.01	87.75	115.63	87.54	118.52	99.96	118.65	108.31	118.32
8	129.84	114.66	115.38	105.28	102.59	93.66	102.36	93.69	112.75	106.19	116.88	117.15
9	127.67	119.27	116.17	117.92	116.19	113.05	109.13	108.81	108.44	116.17	113.77	119.24
10	126.87	117.30	118.18	117.59	117.40	104.22	110.51	104.10	112.15	113.65	118.53	118.81
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 155 MHz; 0 dBm.
 LO IN: 265 MHz; +13.00 dBm
 IF OUT: 110 MHz; -6.83 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	27.11	45.88	41.20	54.77	43.53	45.84	52.49	64.07	50.81	58.92
1	---	36.02	---	37.86	11.98	42.77	21.16	45.76	27.19	50.18	39.02	53.72
2	70.73	53.34	49.00	53.19	54.41	55.92	67.38	61.05	68.64	64.10	61.48	65.52
3	50.70	90.32	53.76	76.90	47.90	71.23	44.22	71.54	45.54	71.43	47.04	69.00
4	95.06	82.23	74.81	81.68	75.45	80.54	76.26	80.76	78.95	80.99	78.85	78.84
5	93.46	101.34	68.98	102.19	72.83	95.31	72.63	95.79	71.09	97.45	71.10	92.20
6	124.18	92.24	86.07	90.24	83.47	89.71	83.50	90.80	86.81	93.92	90.61	94.21
7	125.38	101.47	81.65	97.87	79.26	97.63	79.27	98.13	81.74	102.46	85.35	105.03
8	126.23	111.78	103.48	113.40	104.11	101.64	102.22	101.79	98.67	111.12	100.68	120.75
9	124.67	105.74	95.49	104.78	94.52	103.58	95.69	103.70	93.24	104.61	93.03	106.55
10	126.25	119.18	108.09	118.40	107.91	105.45	111.47	106.14	111.52	117.36	108.00	121.08
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 155 MHz; 10 dBm.
 LO IN: 265 MHz; +13.00 dBm
 IF OUT: 110 MHz; 3.07 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.