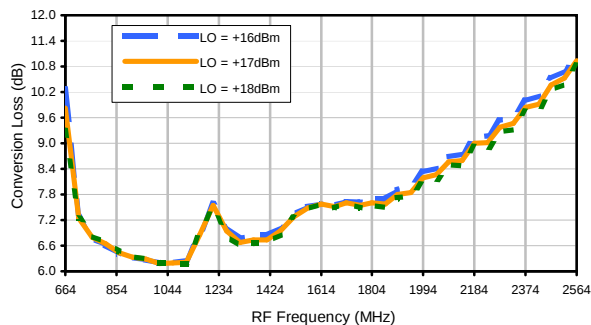
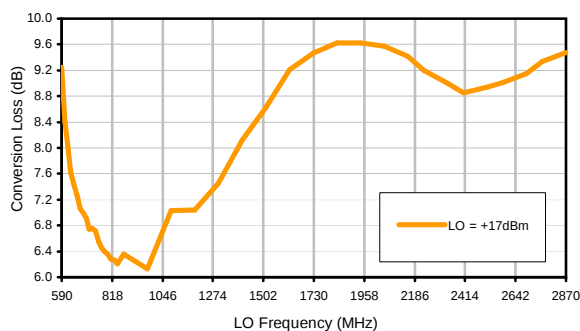


Typical Performance Curves

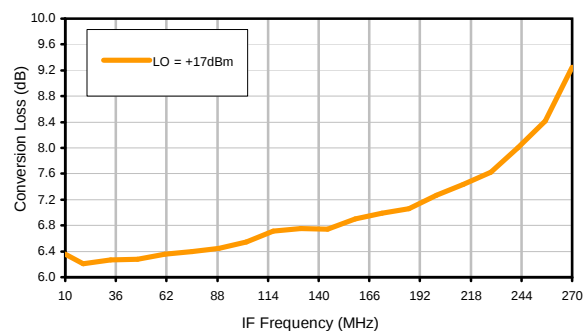
Conversion Loss @ IF=82MHz



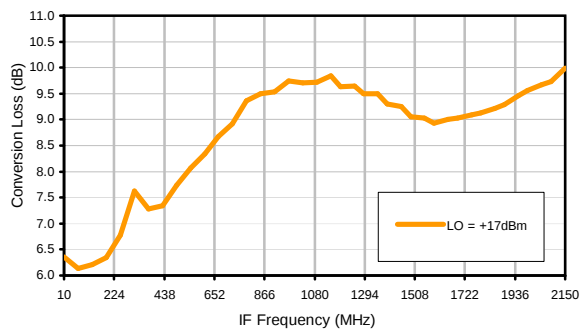
Conversion Loss vs. LO @ RF=860MHz



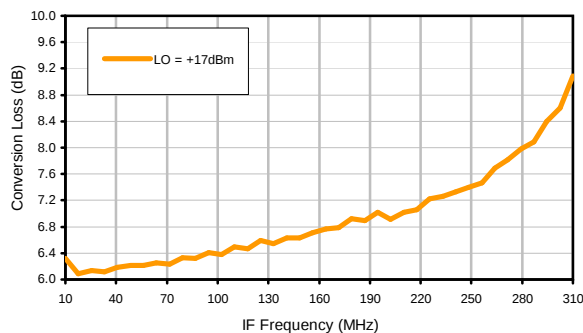
Conversion Loss vs. IF @ RF=860MHz



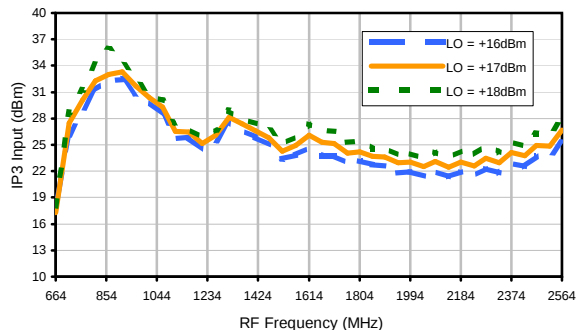
Conversion Loss vs. IF @ RF=813.9MHz



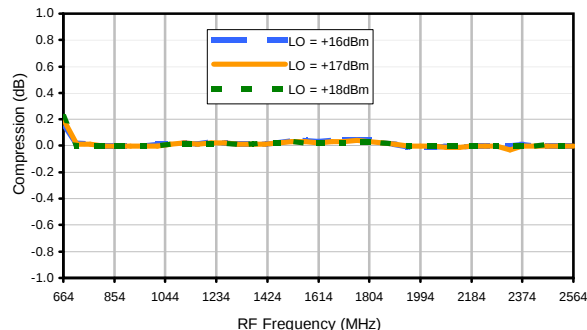
Conversion Loss vs. IF @ RF=906.1MHz



IP3 Input

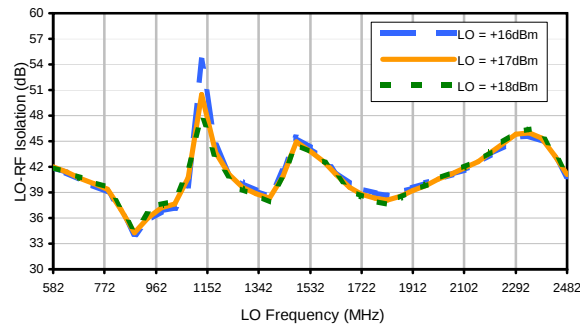


Compression @ RF IN=0dBm

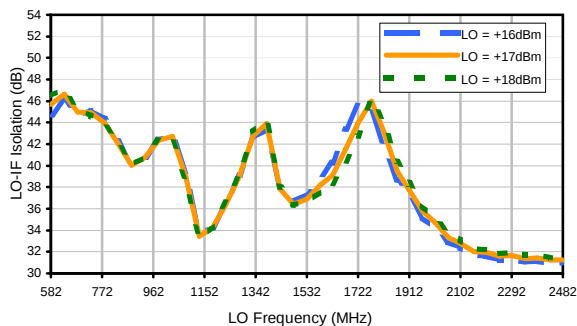


Typical Performance Curves

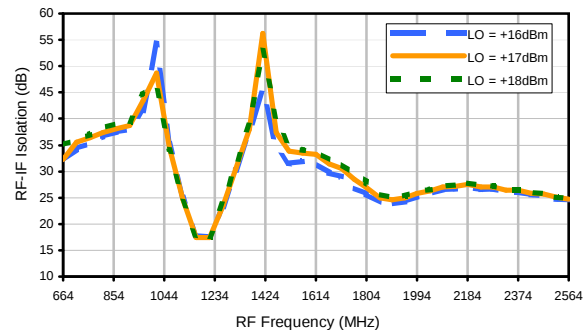
LO-RF Isolation



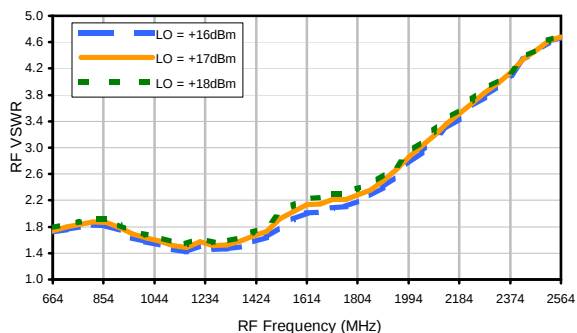
LO-IF Isolation



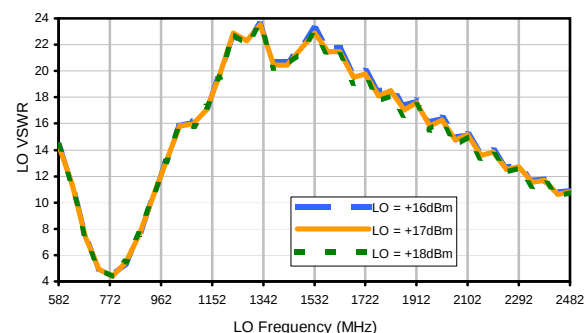
RF-IF Isolation



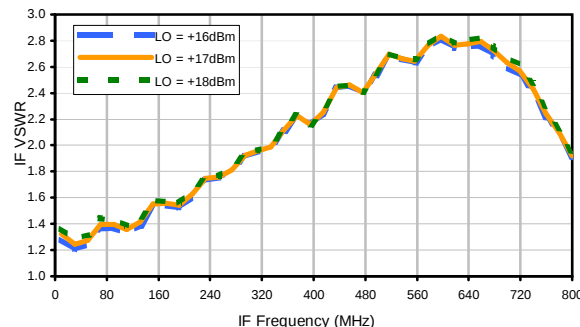
RF VSWR



LO VSWR



IF VSWR



REV. X2

HJK-ED9494A/1

101012

Page 2 of 3



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	-	-	21	19	32	24	26	38	27	44	39	48
1	-	29	+0	37	13	47	40	57	30	49	37	64
2	62	60	61	76	69	70	63	82	65	>84	68	74
3	>90	>84	77	80	76	>84	76	>84	>84	>84	>84	>84
4	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
5	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
6	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
7	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
8	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
9	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
10	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 860 MHz; 0.00 dBm.
 LO IN: 778 MHz; +17.00 dBm
 IF OUT: 82 MHz; -6.42 dBm

RF HARMONICS ORDER	(-dBm)											
	(-dBc)											
0	-	-	31	29	42	34	37	48	37	51	50	57
1	-	30	+0	38	13	48	41	55	30	49	37	59
2	43	49	50	67	59	60	53	83	55	76	58	66
3	65	72	55	65	54	66	56	70	76	75	66	73
4	>90	92	92	>93	84	92	82	93	81	85	84	>93
5	>90	>93	>93	>93	93	>93	89	>93	89	93	>93	>93
6	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
7	>90	>93	>93	>93	>93	>93	>93	>93	>93	>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	>93	>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: 860 MHz; 10.00 dBm.
 LO IN: 778 MHz; +17.00 dBm
 IF OUT: 82 MHz; 3.49 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-ED9494A/1

101012

Page 3 of 3



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

