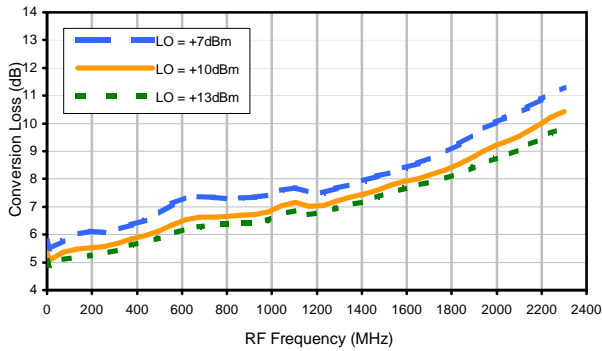
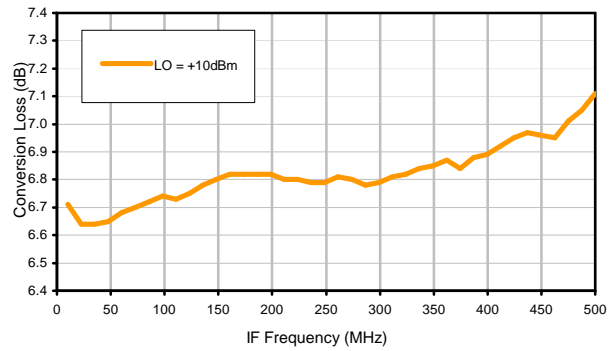


Typical Performance Curves

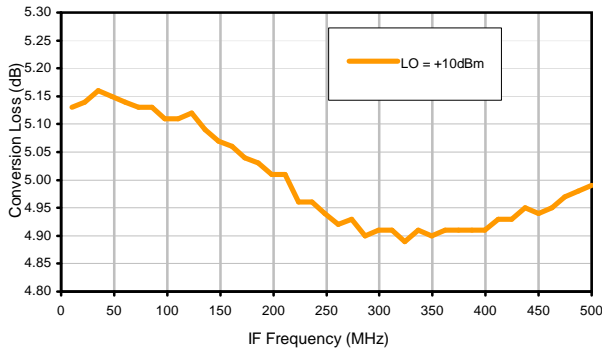
Conversion Loss @ IF=30MHz



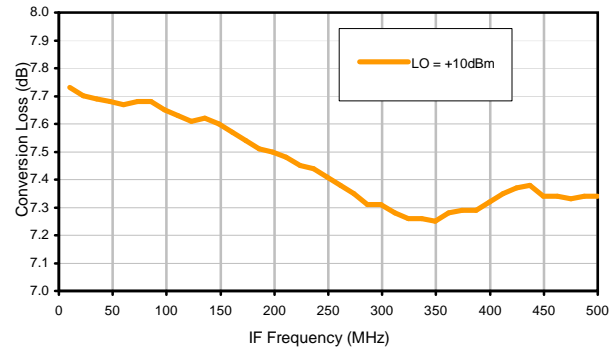
Conversion Loss vs. IF @ RF=750.1MHz



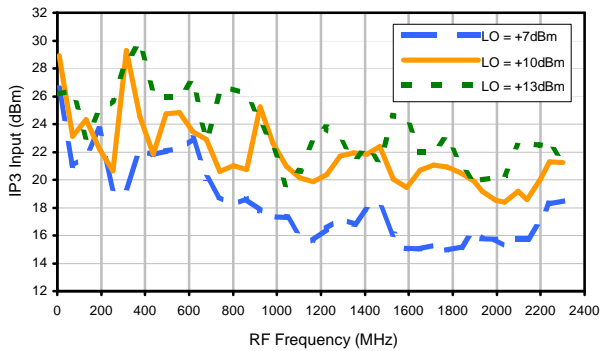
Conversion Loss vs. IF @ RF=10.1MHz



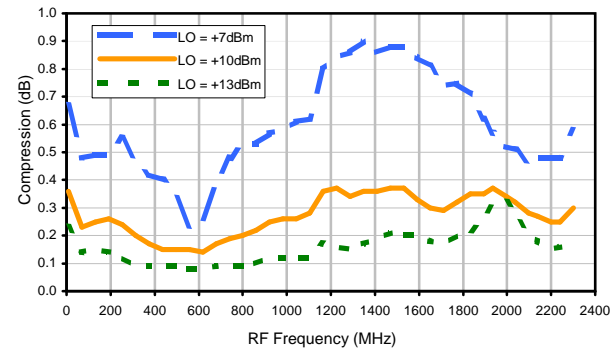
Conversion Loss vs. IF @ RF=1500.1MHz



IP3 Input

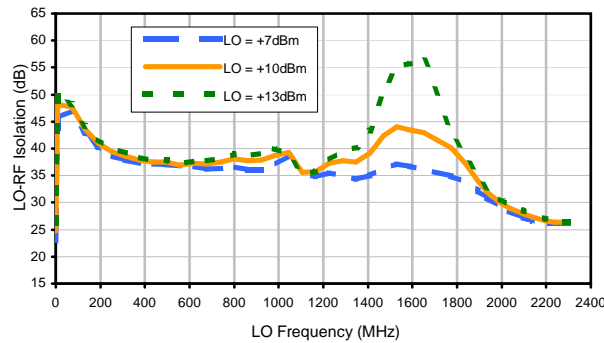


Compression @ RF IN=+5dBm

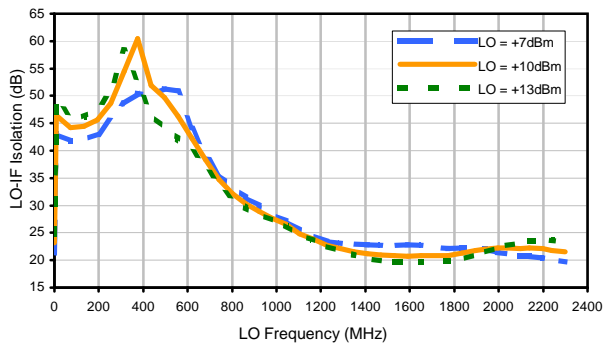


Typical Performance Curves

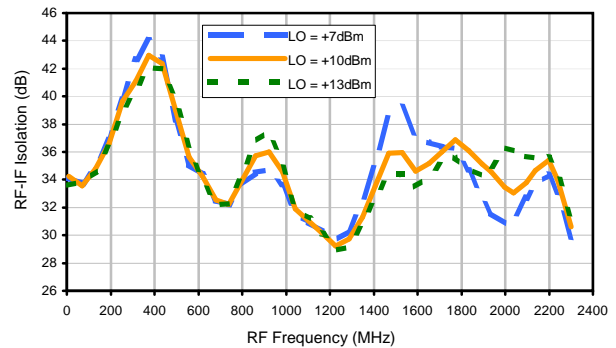
LO-RF Isolation



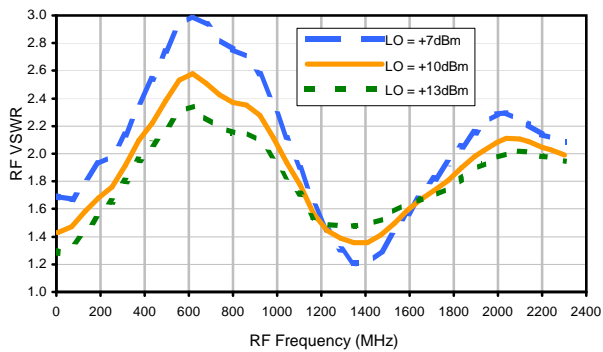
LO-IF Isolation



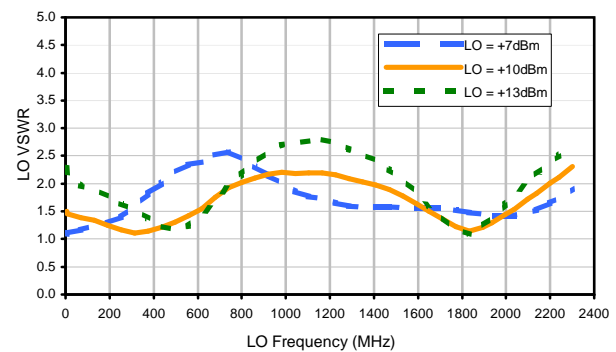
RF-IF Isolation



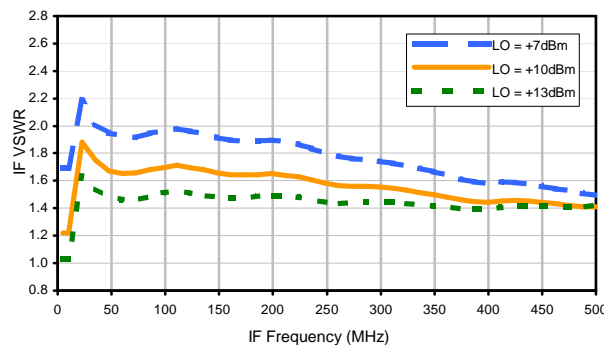
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	18	30	21	26	26	24	36	35	46	49
1	-	29	+0	33	16	30	27	36	37	39	53	50
2	86	46	41	60	45	41	61	52	62	42	51	51
3	>100	54	50	52	47	52	48	52	60	52	56	57
4	>100	73	76	61	74	61	70	64	71	65	67	68
5	>100	86	76	77	69	72	67	67	71	68	68	65
6	>100	91	>93	88	88	79	85	78	86	78	83	>93
7	>100	>93	>93	>93	>93	>93	>93	92	84	88	84	89
8	>100	>93	>93	>93	>93	>93	>93	>93	>93	89	>93	92
9	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	91	92
10	>100	>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: 750.1 MHz; 0.00 dBm.
 LO IN: 780.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -6.59 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	8	17	10	14	15	12	23	22	30	37
1	-	27	+0	31	15	29	26	35	34	37	41	45
2	>100	57	52	60	54	50	68	57	64	51	60	61
3	>100	73	68	68	66	68	66	69	72	67	73	76
4	>100	>83	>83	>83	>83	83	>83	>83	>83	>83	>83	>83
5	>100	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
6	>100	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
7	>100	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
8	>100	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
9	>100	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
10	>100	>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: 750.1 MHz; -10.00 dBm.
 LO IN: 780.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -16.65 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
 SRA-215
 100818
 Page 3 of 3



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

