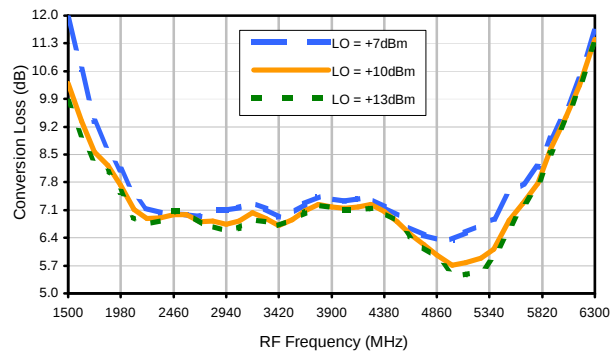
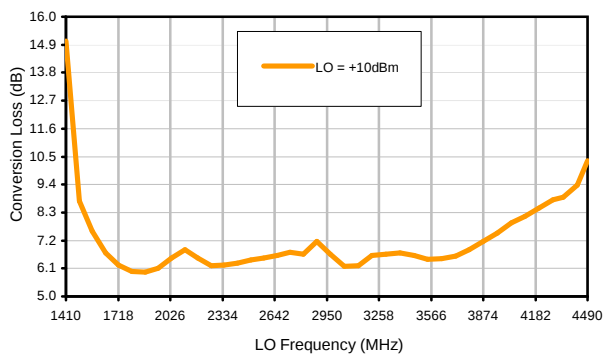


Typical Performance Curves

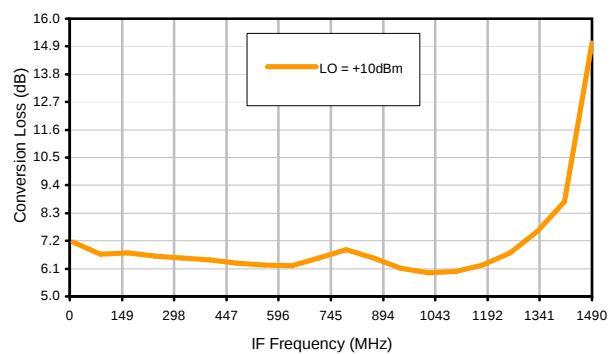
Conversion Loss @ IF=30MHz



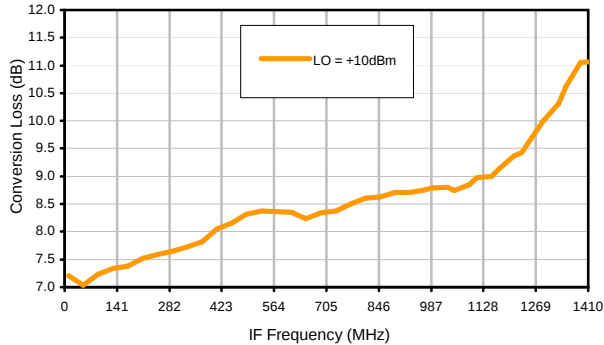
Conversion Loss vs. LO @ RF=2900MHz



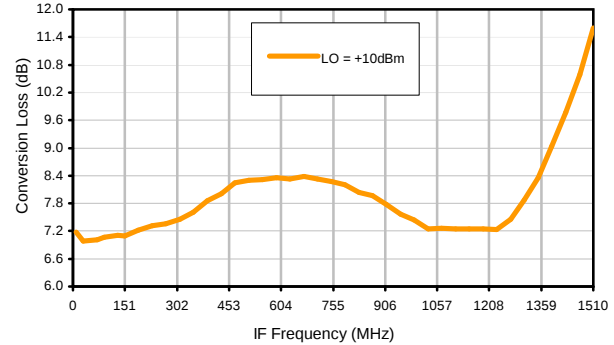
Conversion Loss vs. IF @ RF=2900MHz



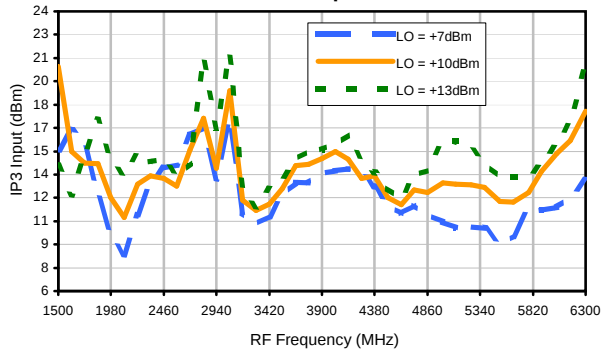
Conversion Loss vs. IF @ RF=2189.89MHz



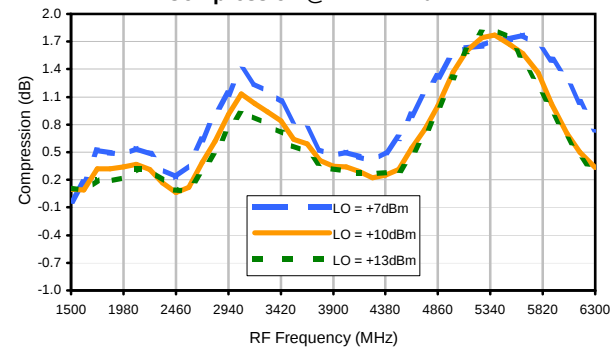
Conversion Loss vs. IF @ RF=3610.1MHz



IP3 Input



Compression @ RF IN=+4dBm



REV. X3

MBA-EE7756/12

101012

Page 1 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

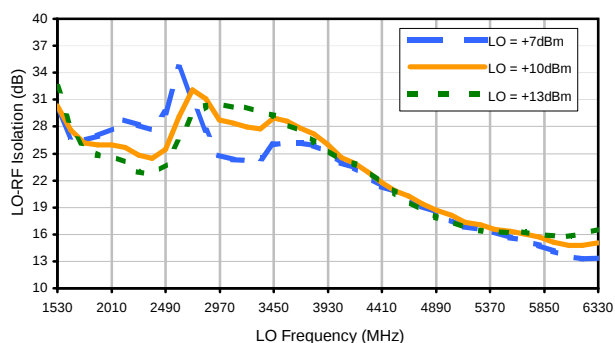


The Design Engineers Search Engine finds the model you need, instantly • For detailed performance specs & shopping online see

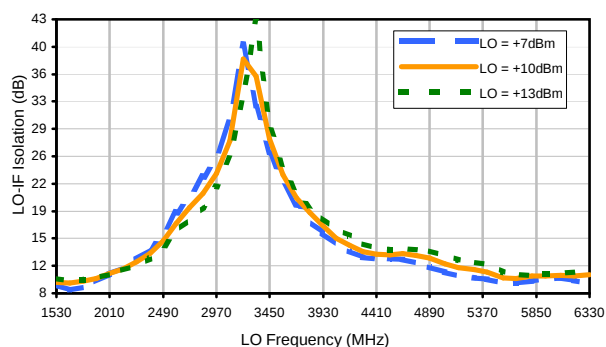


Typical Performance Curves

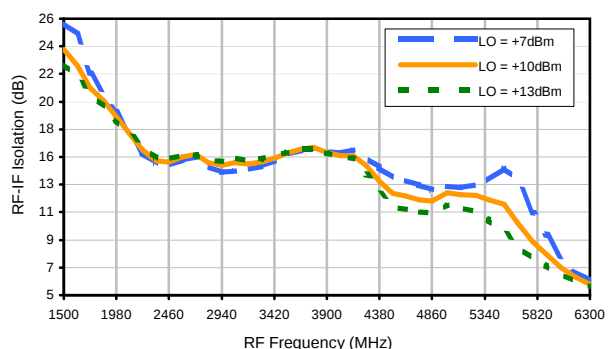
LO-RF Isolation



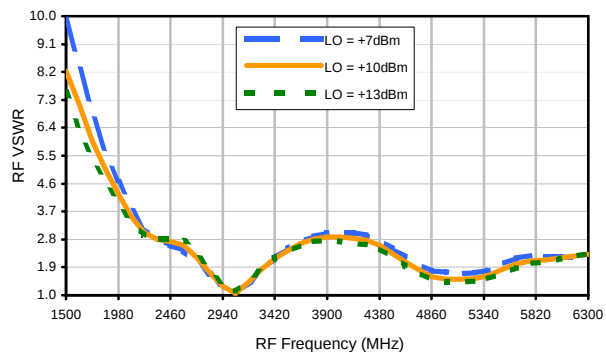
LO-IF Isolation



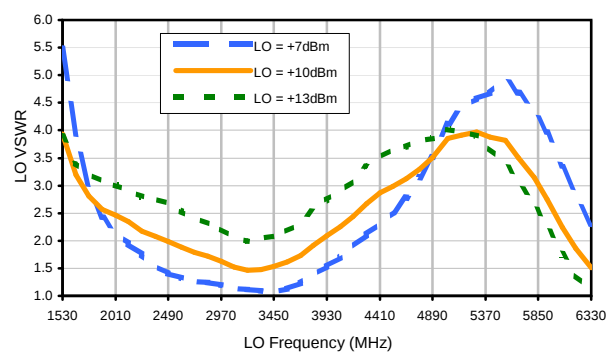
RF-IF Isolation



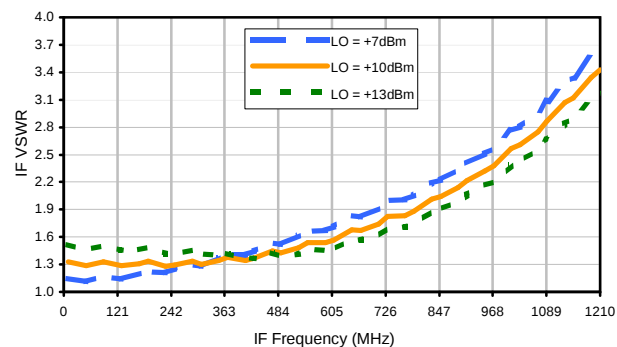
RF VSWR



LO VSWR



IF VSWR



REV. X3

MBA-EE7756/12

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	-	-	+2	+0	3	25	12	39	52	47	---	---
1	-	7	+0	16	11	22	27	31	53	52	55	---
2	85	51	40	51	52	47	43	54	51	60	>72	>72
3	>90	54	65	57	55	59	53	55	61	61	>72	>72
4	>90	>72	>72	>72	>72	67	>72	71	>72	>72	>72	>72
5	>90	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72
6	>90	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72
7	>90	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72
8	>90	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72
9	---	---	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72
10	---	---	---	>72	>72	>72	>72	>72	>72	>72	>72	>72
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2900 MHz; -11.00 dBm.
LO IN: 2930 MHz; +10.00 dBm
IF OUT: 30 MHz; -18.06 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	7	11	13	37	26	52	64	66	---	---
1	-	8	+0	17	13	26	31	39	60	64	64	---
2	66	40	31	36	39	35	44	46	53	57	75	73
3	>90	34	46	36	40	37	36	41	49	49	81	75
4	>90	57	51	58	62	44	49	53	50	69	65	80
5	>90	64	71	74	59	61	50	65	51	58	63	61
6	>90	>82	74	76	63	65	62	53	60	55	70	65
7	>90	>82	>82	>82	77	71	72	68	67	68	68	71
8	>90	>82	>82	>82	>82	>82	>82	73	73	72	68	66
9	---	---	>82	>82	>82	>82	>82	81	75	78	71	78
10	---	---	---	>82	>82	>82	>82	>82	>82	78	81	76
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2900 MHz; -1.00 dBm.
LO IN: 2930 MHz; +10.00 dBm
IF OUT: 30 MHz; -8.03 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. X3

MBA-EE7756/12

101012

Page 3 of 3

