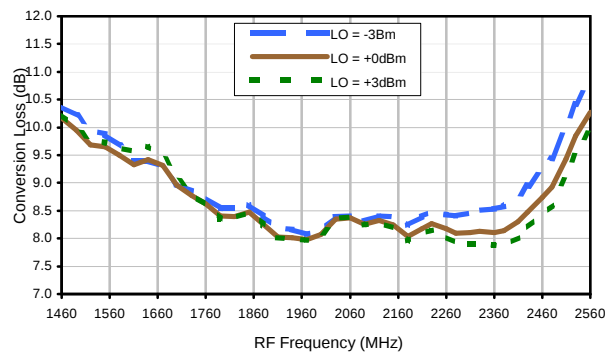
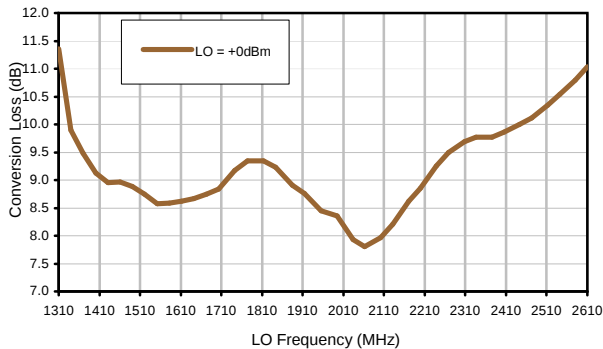


Typical Performance Curves

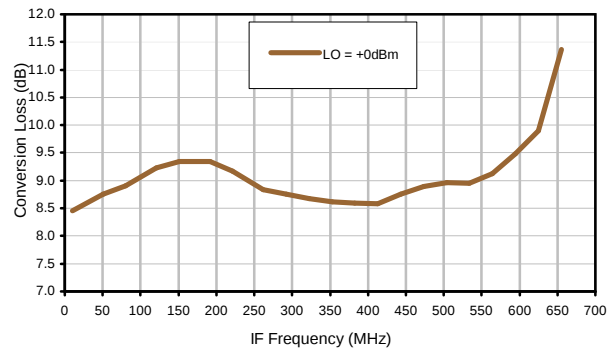
Conversion Loss @ IF=138 MHz



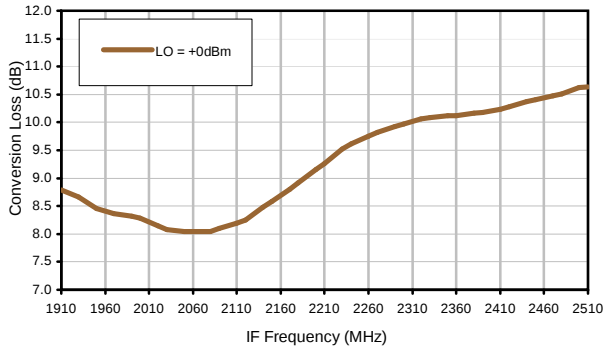
Conversion Loss vs. LO @ RF=1965 MHz



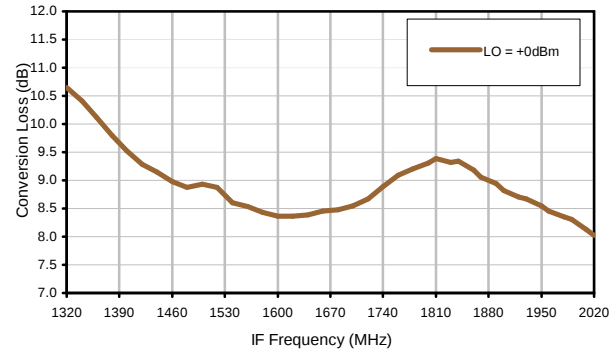
Conversion Loss vs. IF @ RF=1965 MHz



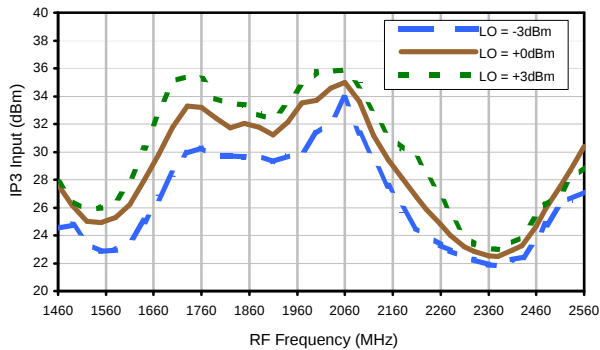
Conversion Loss vs. IF @ RF=1900 MHz



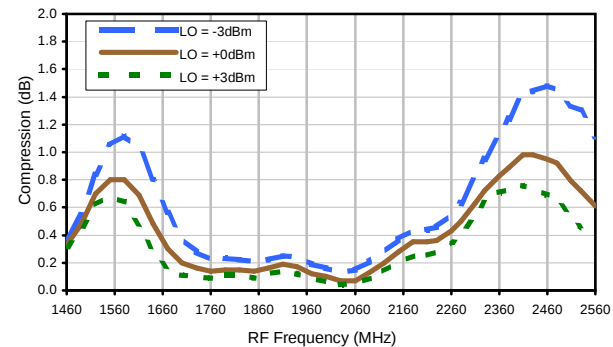
Conversion Loss vs. IF @ RF=2030 MHz



IP3 Input

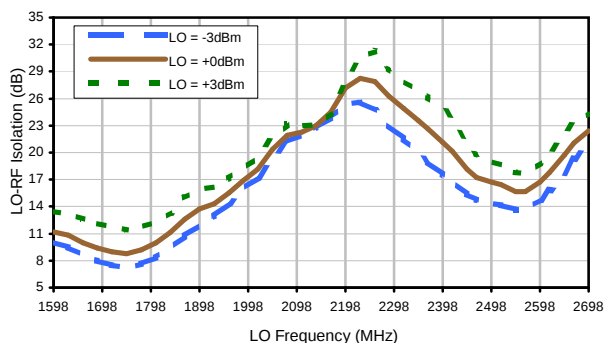


Compression @ RF IN = +15 dBm

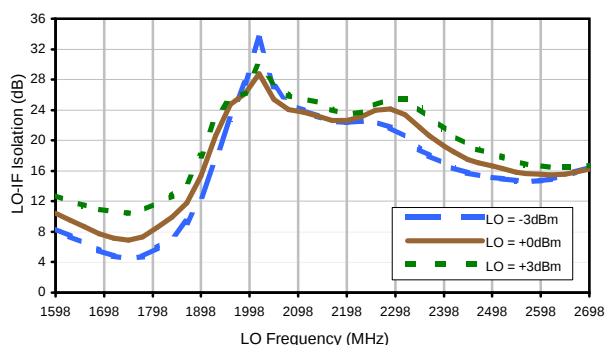


Typical Performance Curves

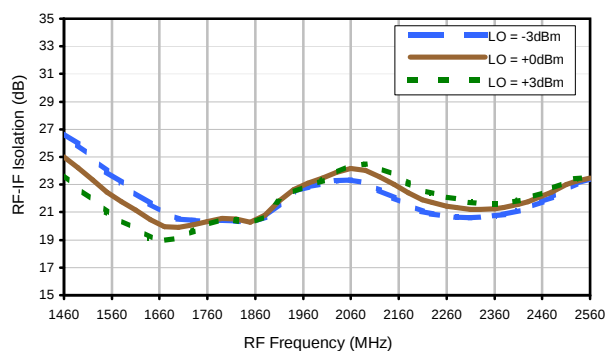
LO-RF Isolation



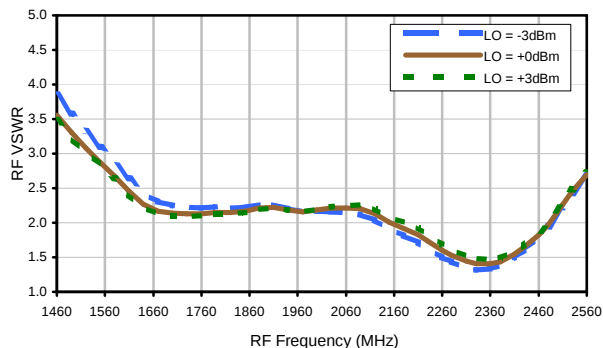
LO-IF Isolation



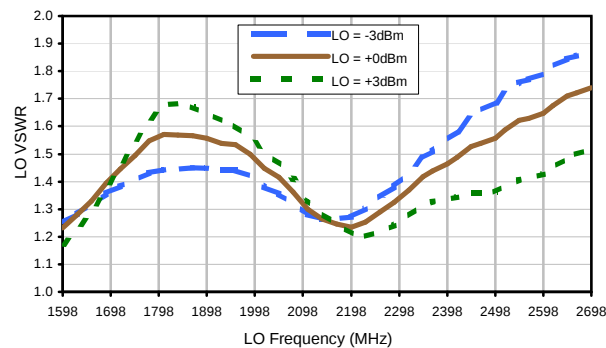
RF-IF Isolation



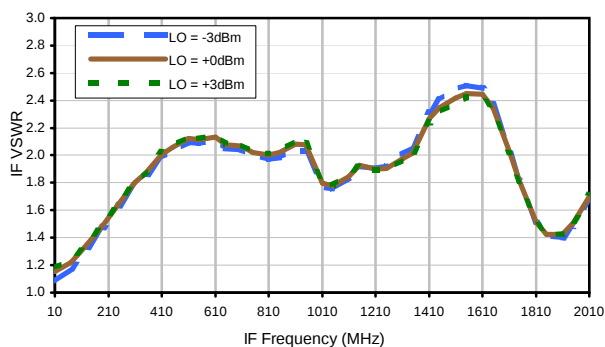
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	4	14	27	24	33	52	43	56	56
1	-	15	+0	27	39	39	56	44	47	57	78	67
2	59	55	62	43	65	59	63	72	61	66	73	>82
3	>90	72	>82	>82	62	>82	82	>82	>82	79	>82	>82
4	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
5	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
6	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
7	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
8	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
9	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
10	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1965 MHz; 0.00 dBm.
 LO IN: 2103 MHz; +0.00 dBm
 IF OUT: 138 MHz; -7.86 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	25	14	23	39	33	44	60	54	65	69
1	-	15	+0	26	39	39	57	45	48	58	78	70
2	39	45	52	34	55	49	53	62	51	56	65	76
3	65	52	61	65	42	66	62	72	75	63	76	81
4	>90	84	63	84	64	62	78	76	81	83	78	79
5	>90	83	75	80	78	73	70	85	78	88	>92	91
6	>90	89	>92	90	90	>92	78	78	91	>92	>92	>92
7	>90	>92	>92	>92	>92	>92	>92	88	87	>92	>92	>92
8	>90	>92	>92	>92	>92	>92	>92	>92	90	92	>92	>92
9	>90	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
10	>90	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1965 MHz; +10 dBm.
 LO IN: 2103 MHz; +0.00 dBm
 IF OUT: 138 MHz; +2.05 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

AMCY-ED12638/1

101013

Page 3 of 3



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

