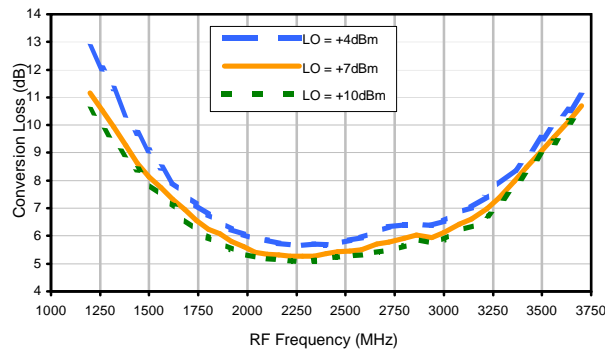
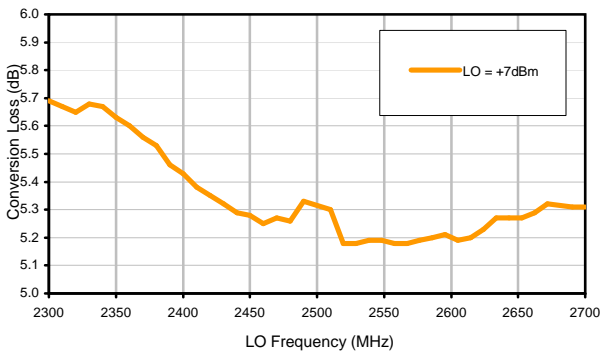


Typical Performance Curves

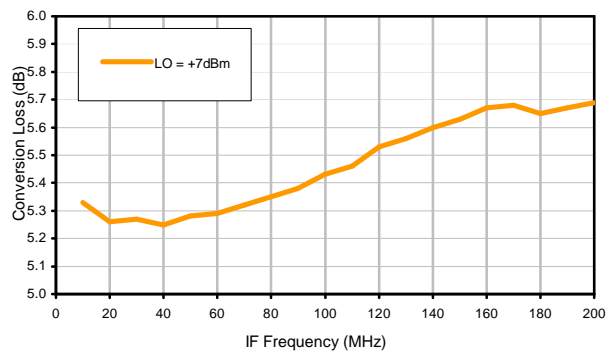
Conversion Loss @ IF=30MHz



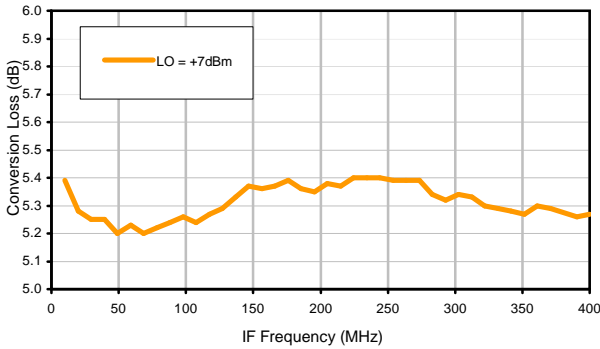
Conversion Loss vs. LO @ RF=2500.1MHz



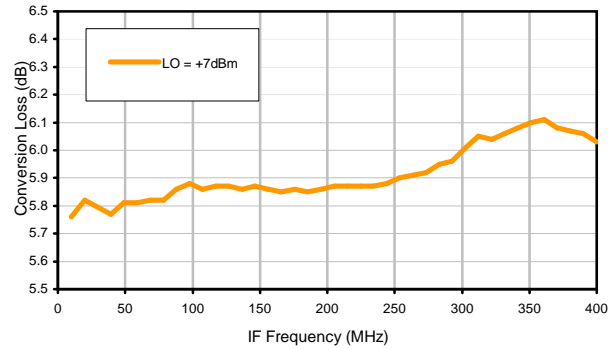
Conversion Loss vs. IF @ RF=2500.1MHz



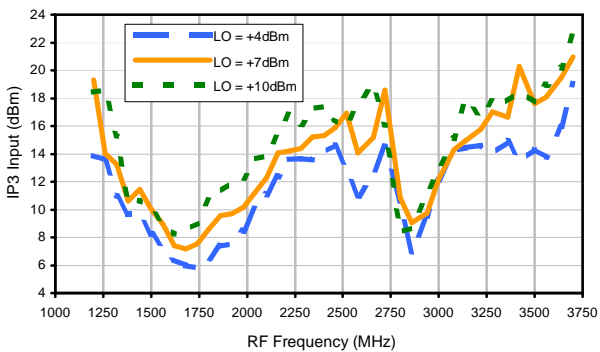
Conversion Loss vs. IF @ RF=2300.1MHz



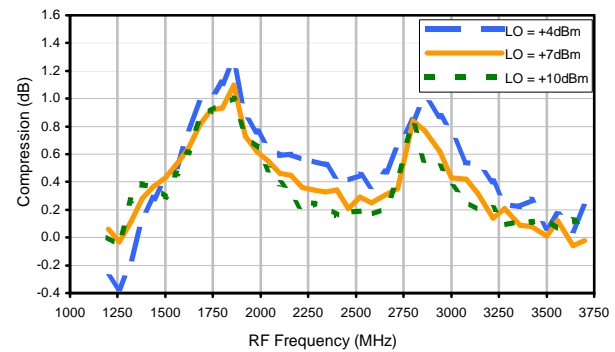
Conversion Loss vs. IF @ RF=2700.1MHz



IP3 Input

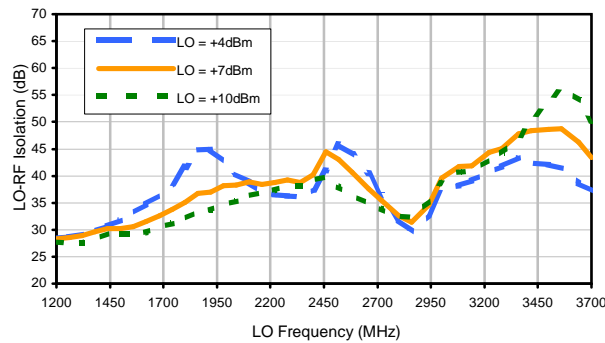


Compression @ RF IN=+1dBm

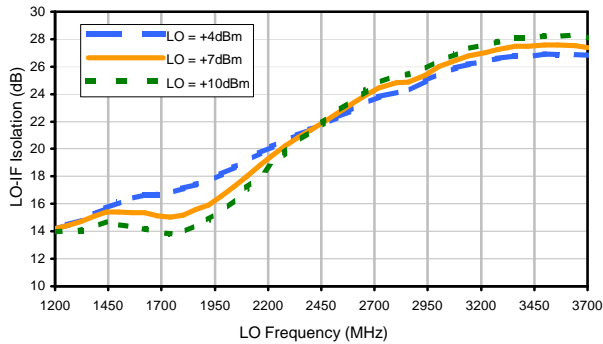


Typical Performance Curves

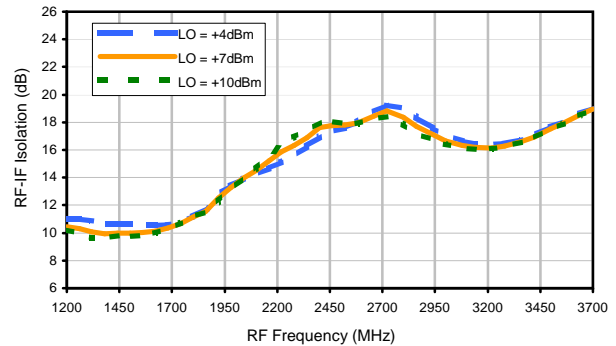
LO-RF Isolation



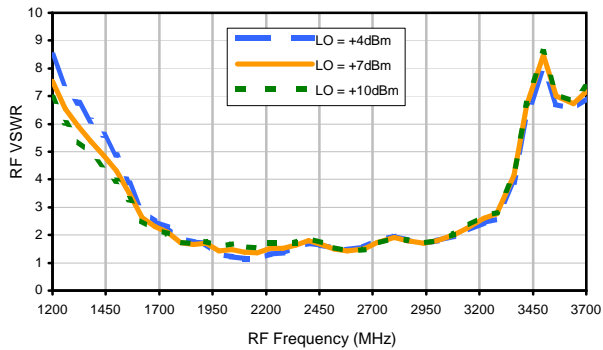
LO-IF Isolation



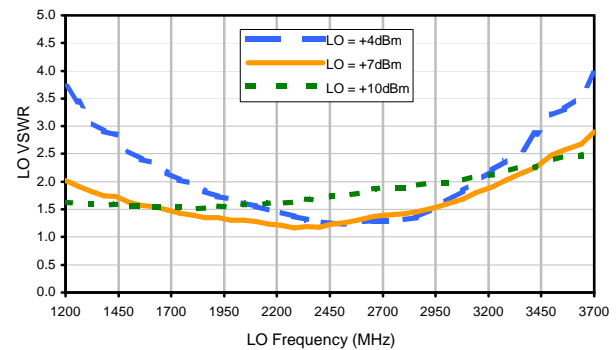
RF-IF Isolation



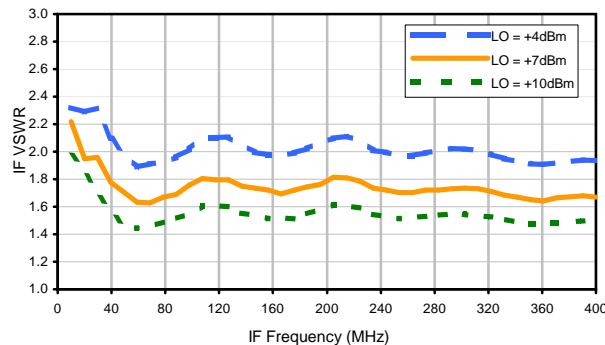
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+4	6	7	14	18	27	35	31	41	---
1	-	13	+0	36	22	43	35	33	39	50	39	57
2	>100	58	58	51	68	58	50	49	55	52	64	57
3	>100	81	>81	>81	63	81	70	76	74	70	69	>81
4	>100	>81	>81	>81	>81	80	>81	>81	>81	>81	>81	>81
5	>100	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
6	>100	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
7	>100	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
8	>100	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
9	>100	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
10	---	---	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2500.1 MHz; -14.00 dBm.
 LO IN: 2530.01 MHz; +7.00 dBm
 IF OUT: 29.91 MHz; -19.08 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	6	16	18	26	30	54	52	50	67	---
1	-	13	+0	37	23	47	37	35	46	56	45	69
2	81	48	48	40	56	48	41	42	47	47	59	54
3	>100	64	59	60	44	62	53	62	61	56	54	68
4	>100	66	64	72	75	65	76	74	64	57	64	60
5	>100	70	72	71	79	>91	69	88	74	77	72	70
6	>100	>91	82	84	>91	>91	88	75	>91	82	>91	80
7	>100	>91	>91	>91	91	>91	>91	>91	80	>91	89	>91
8	>100	>91	>91	>91	>91	>91	>91	>91	>91	84	>91	>91
9	>100	>91	>91	>91	>91	>91	>91	>91	>91	>91	>91	>91
10	---	---	>91	>91	>91	>91	>91	>91	>91	>91	>91	>91
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2500.1 MHz; -4.00 dBm.
 LO IN: 2530.01 MHz; +7.00 dBm
 IF OUT: 29.91 MHz; -9.2 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
 ADE-3G+
 100817
 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 minicircuits.com