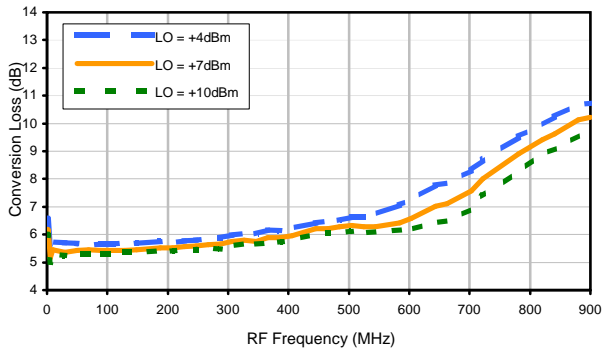
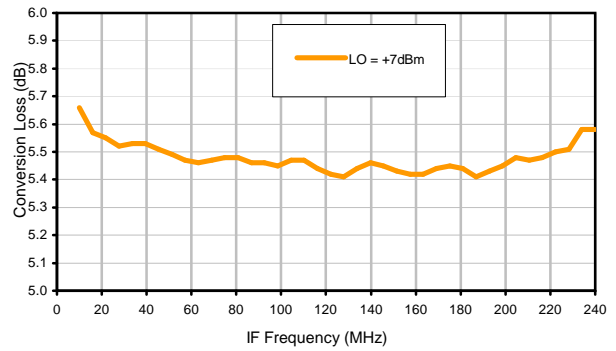


## Typical Performance Curves

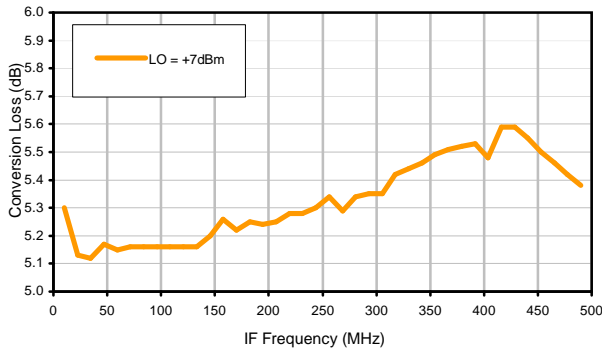
### Conversion Loss @ IF=30MHz



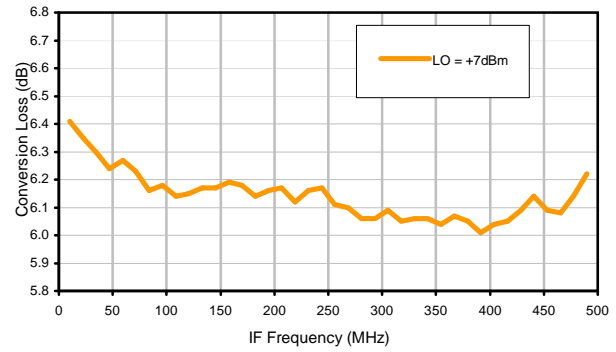
### Conversion Loss vs. IF @ RF=250.1MHz



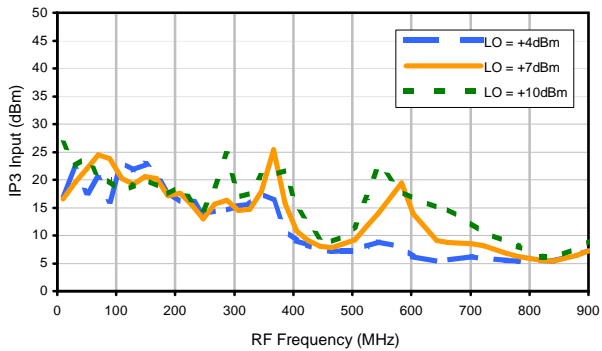
### Conversion Loss vs. IF @ RF=10.1MHz



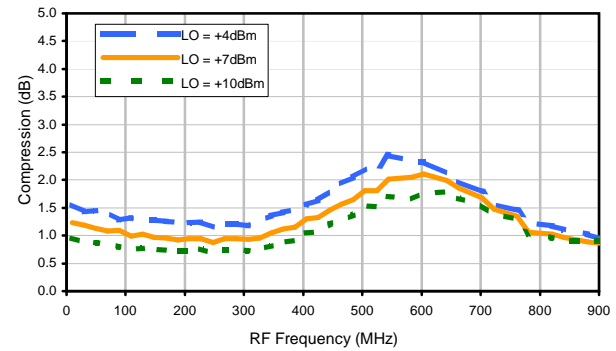
### Conversion Loss vs. IF @ RF=500.1MHz



### IP3 Input

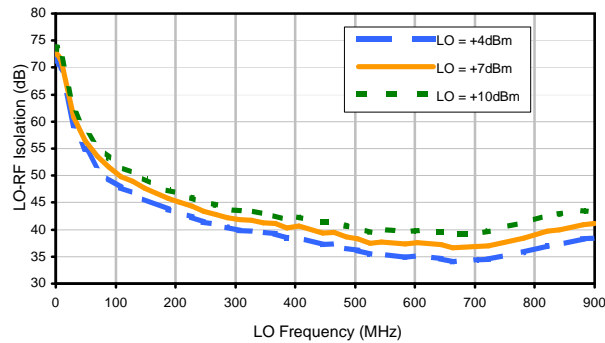


### Compression @ RF IN=+1dBm

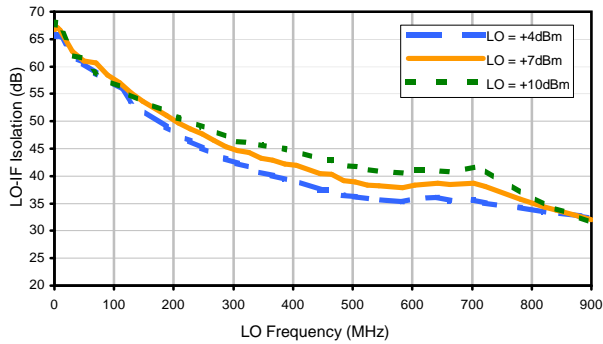


## Typical Performance Curves

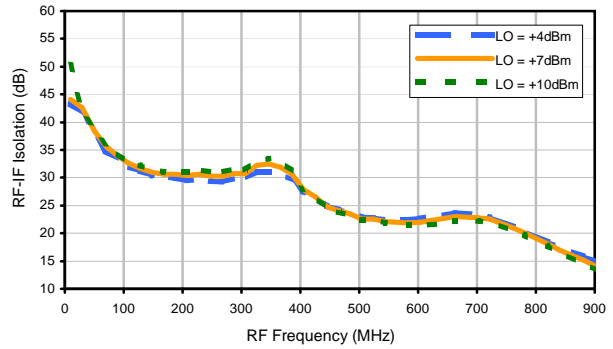
LO-RF Isolation



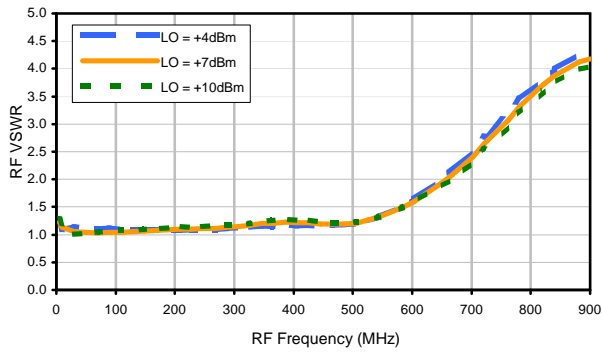
LO-IF Isolation



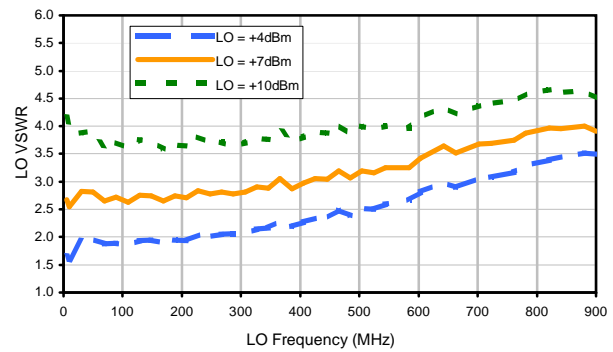
RF-IF Isolation



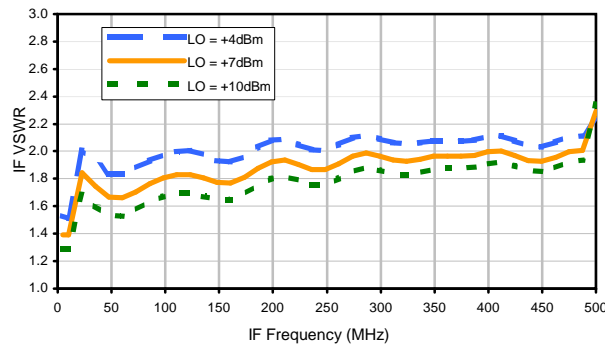
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	19	24	19	26	30	41	38	51	38	39
1	-	25	+0	34	11	40	16	38	35	66	49	39
2	>100	70	55	63	54	73	53	65	63	77	71	76
3	>100	67	61	67	61	75	56	72	64	>80	76	>80
4	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
5	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
6	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
7	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
8	>100	>80	>80	>80	>80	>80	>80	>80	79	>80	>80	>80
9	>100	>80	>80	>80	>80	>80	>80	>80	>80	66	>80	>80
10	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	68	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -14.00 dBm.  
 LO IN: 280.01 MHz; +7.00 dBm  
 IF OUT: 29.91 MHz; -19.78 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	29	36	30	40	41	54	50	65	50	54
1	-	26	+0	35	12	40	18	43	37	66	52	48
2	>100	51	49	59	49	54	51	54	70	67	63	70
3	>100	48	41	50	42	58	38	63	41	57	57	73
4	>100	62	70	64	64	63	61	67	58	70	70	81
5	>100	70	68	69	54	66	52	70	54	64	62	79
6	>100	86	80	76	90	78	86	77	81	73	77	76
7	>100	>90	75	90	73	84	75	88	68	>90	64	74
8	>100	>90	>90	88	>90	80	>90	84	>90	85	86	>90
9	>100	>90	>90	>90	82	>90	77	90	82	71	83	>90
10	>100	>90	>90	>90	>90	>90	>90	>90	>90	>90	83	>90
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -4.00 dBm.  
 LO IN: 280.01 MHz; +7.00 dBm  
 IF OUT: 29.91 MHz; -9.68 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  
 SCM-1  
 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

