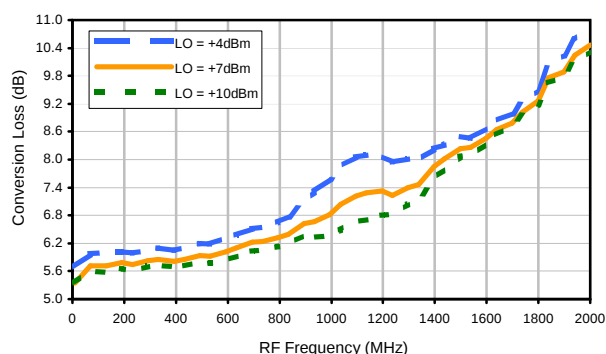
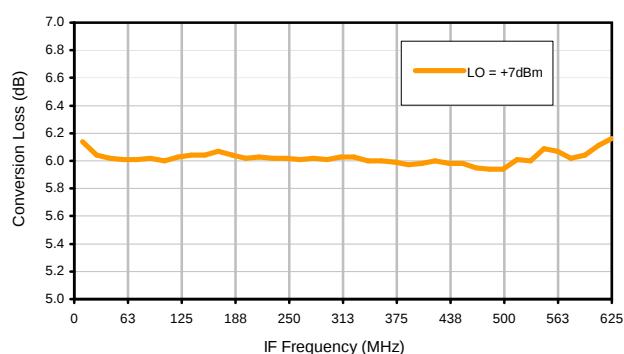


Typical Performance Curves

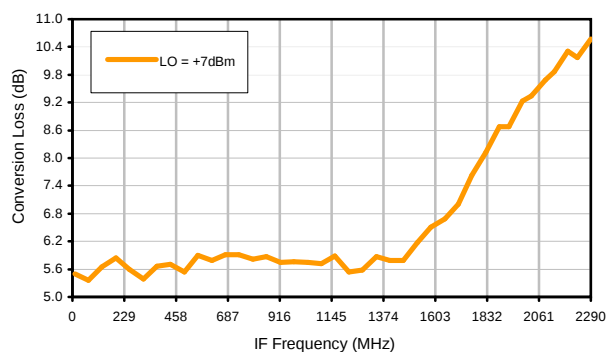
Conversion Loss @ IF=30MHz



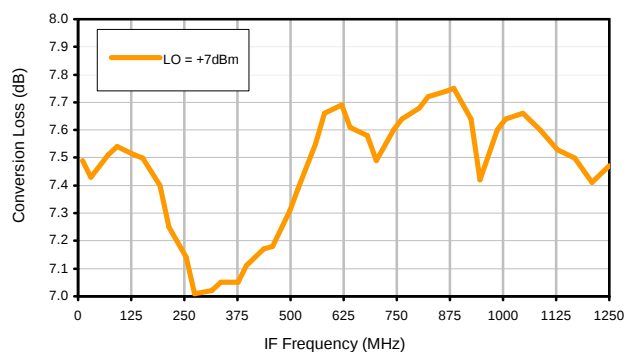
Conversion Loss vs. IF @ RF=635.1MHz



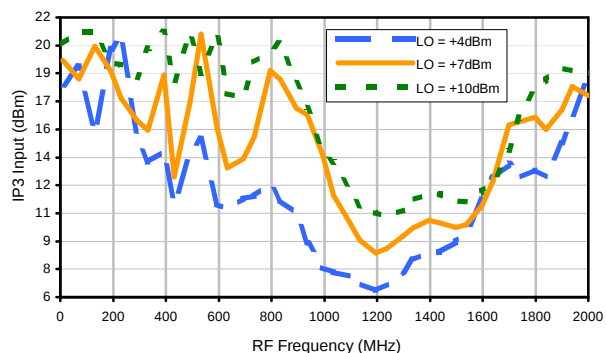
Conversion Loss vs. IF @ RF=10.1MHz



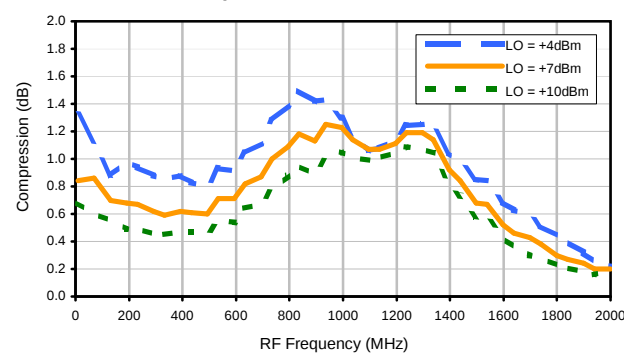
Conversion Loss vs. IF @ RF=1260.1MHz



IP3 Input

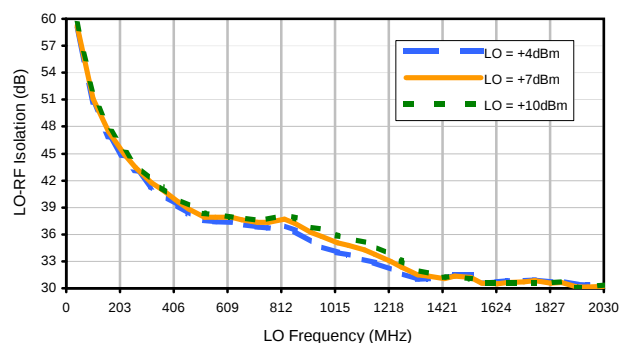


Compression @ RF IN=+1dBm

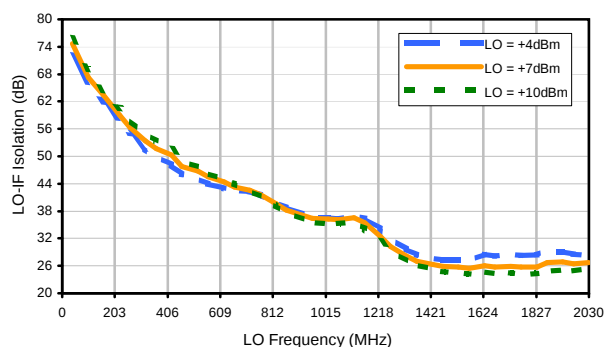


Typical Performance Curves

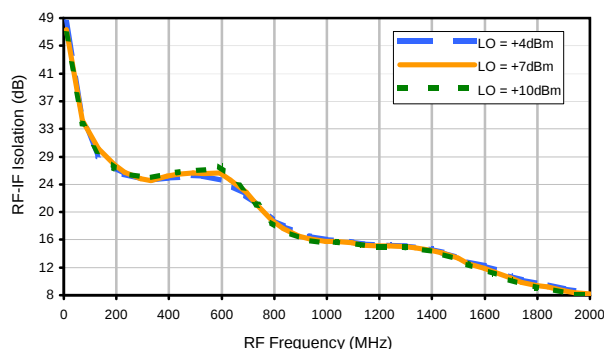
LO-RF Isolation



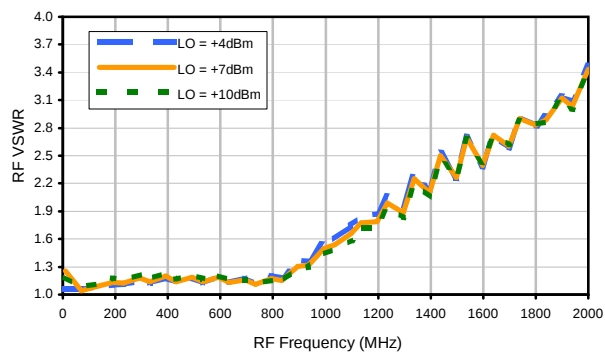
LO-IF Isolation



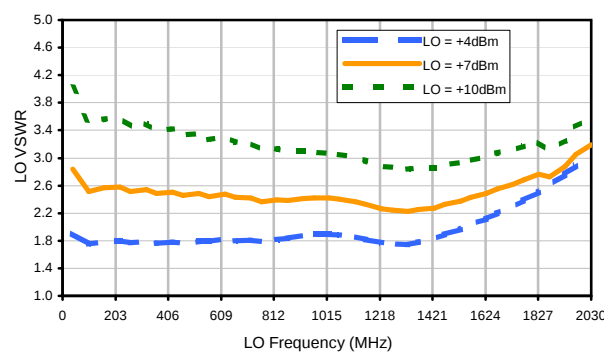
RF-IF Isolation



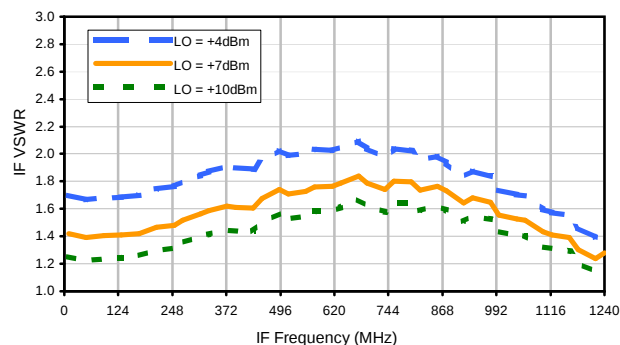
RF VSWR



LO VSWR



IF VSWR



REV. X3

TFM-4+

101011

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	-	-	16	19	13	30	18	33	37	50	53	54
1	-	19	+0	31	11	31	29	38	52	38	57	52
2	90	57	54	58	56	57	52	59	56	>70	68	>70
3	>90	63	61	64	60	64	57	65	>70	>70	>70	>70
4	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
5	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
6	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
7	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
8	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
9	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
10	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 625 MHz; -14.00 dBm.
LO IN: 655 MHz; +7.00 dBm
IF OUT: 30 MHz; -20.17 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	26	28	24	44	29	45	50	68	74	72
1	-	20	+0	28	12	34	30	43	52	46	55	61
2	69	53	47	54	48	54	45	54	49	71	75	74
3	>90	46	43	55	45	55	42	54	58	53	63	55
4	>90	>80	67	68	68	67	71	65	64	68	68	75
5	>90	72	>80	64	57	61	54	60	53	60	68	74
6	>90	>80	>80	>80	>80	>80	77	79	79	>80	>80	>80
7	>90	>80	>80	>80	>80	>80	79	>80	73	79	68	73
8	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
9	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
10	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 625 MHz; -4.00 dBm.
LO IN: 655 MHz; +7.00 dBm
IF OUT: 30 MHz; -10.18 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
TFM-4+
101011
Page 3 of 3

