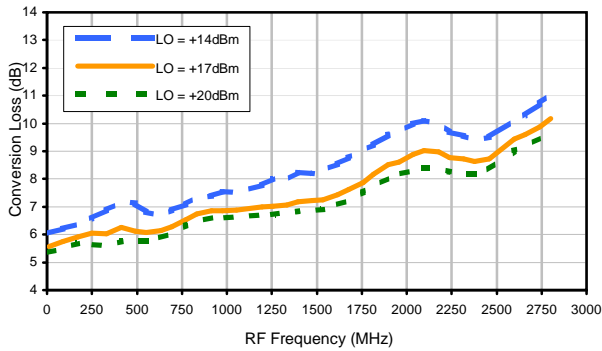
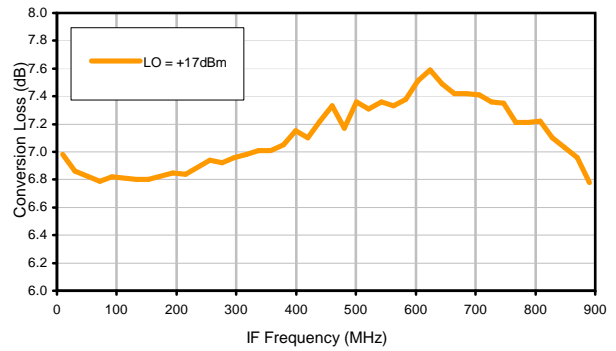


Typical Performance Curves

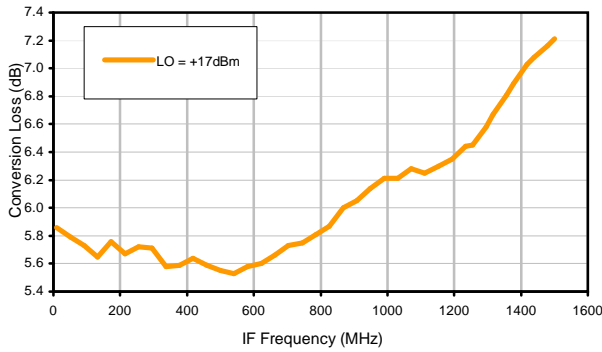
Conversion Loss @ IF=30MHz



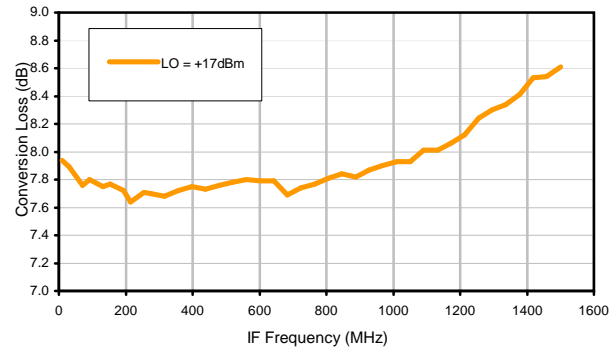
Conversion Loss vs. IF @ RF=900.1MHz



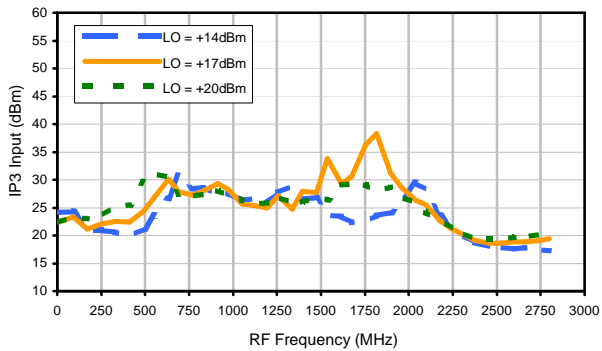
Conversion Loss vs. IF @ RF=10.1MHz



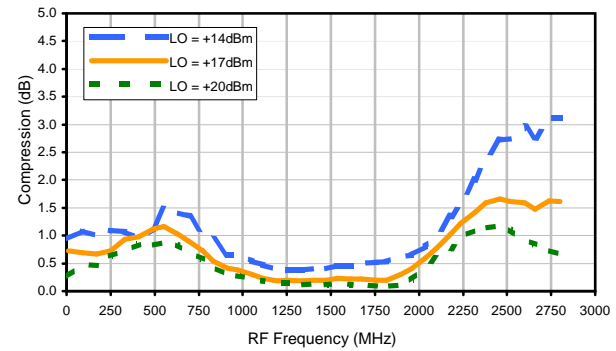
Conversion Loss vs. IF @ RF=1800.1MHz



IP3 Input

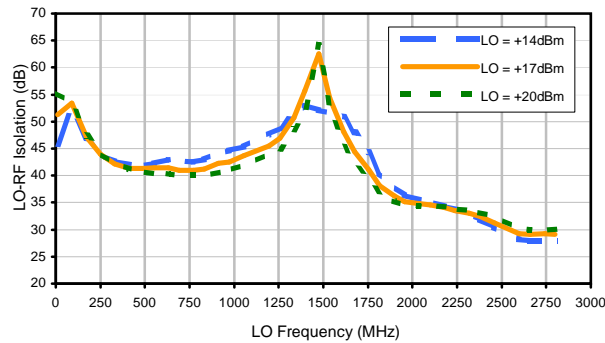


Compression @ RF IN=+14dBm

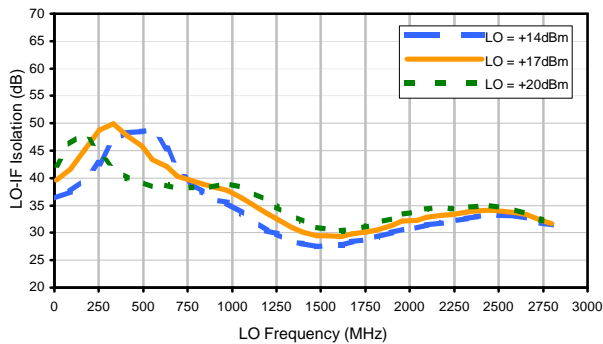


Typical Performance Curves

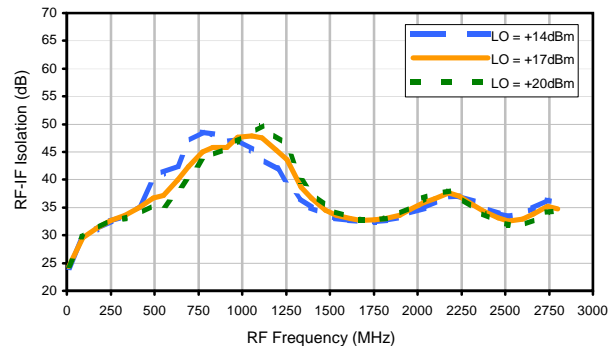
LO-RF Isolation



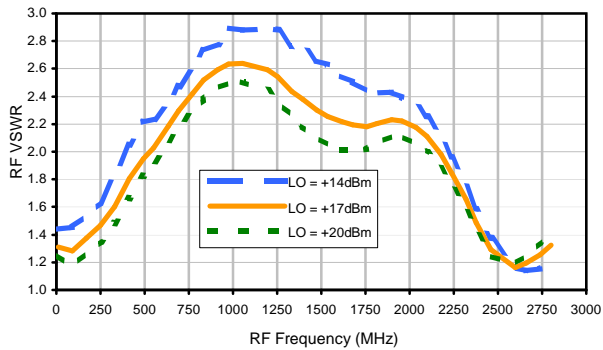
LO-IF Isolation



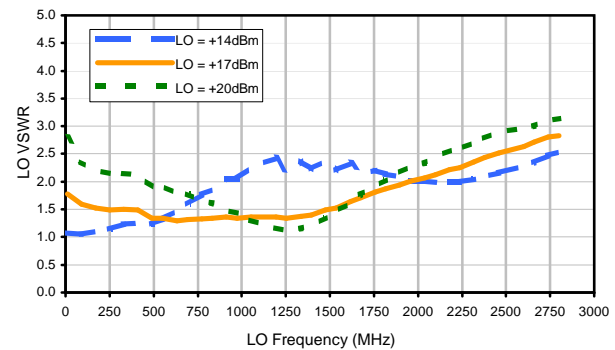
RF-IF Isolation



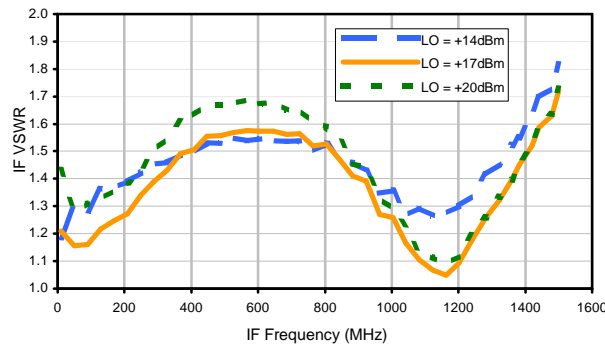
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	24	21	24	23	35	41	39	37	40
1	-	38	+0	37	17	55	20	48	57	48	38	50
2	89	77	59	63	57	62	59	62	61	72	67	68
3	>100	83	60	82	61	82	59	82	61	89	69	87
4	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
5	>100	>92	>92	>92	>92	>92	89	>92	>92	>92	>92	>92
6	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
7	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
8	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
9	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
10	>100	>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: 900.1 MHz; -1.00 dBm.
 LO IN: 930.01 MHz; +17.00 dBm
 IF OUT: 29.91 MHz; -7.98 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	26	33	32	36	35	48	56	56	56	64
1	-	38	+0	37	16	53	20	50	50	52	45	55
2	73	59	51	51	49	54	49	53	53	66	59	62
3	>100	65	39	64	44	65	40	66	49	69	53	66
4	>100	84	77	66	73	66	73	68	81	67	74	81
5	>100	86	65	79	56	80	57	76	59	84	57	79
6	>100	>102	88	83	83	81	86	77	84	77	82	79
7	>100	>102	92	99	78	98	73	93	70	90	72	88
8	>100	>102	>102	>102	99	94	98	92	98	89	99	88
9	>100	>102	>102	>102	>102	>102	93	>102	89	101	86	>102
10	>100	>102	>102	>102	>102	>102	>102	>102	>102	>102	>102	>102
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 900.1 MHz; 9.00 dBm.
 LO IN: 930.01 MHz; +17.00 dBm
 IF OUT: 29.91 MHz; 2.03 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. X2
 SYM-18H
 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 minicircuits.com