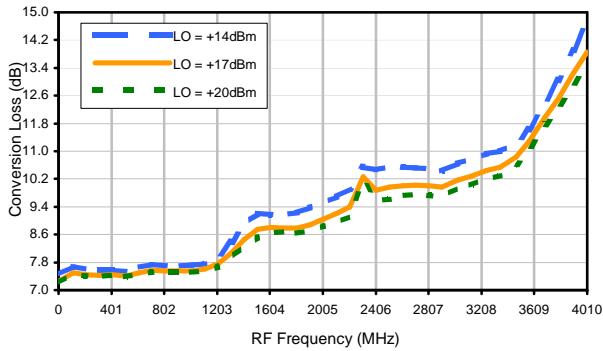


Frequency Mixer

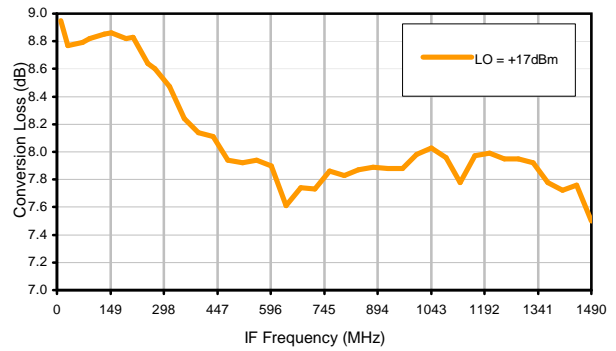
ZLW-11H+

Typical Performance Curves

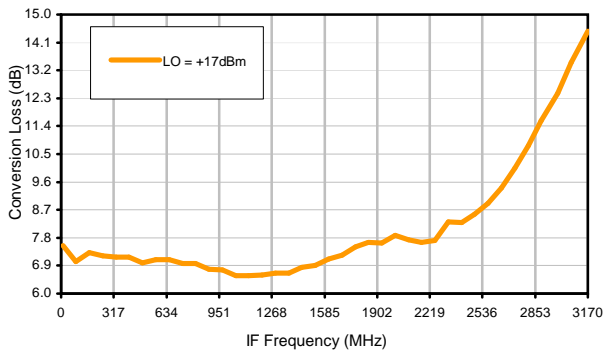
Conversion Loss @ IF=30MHz



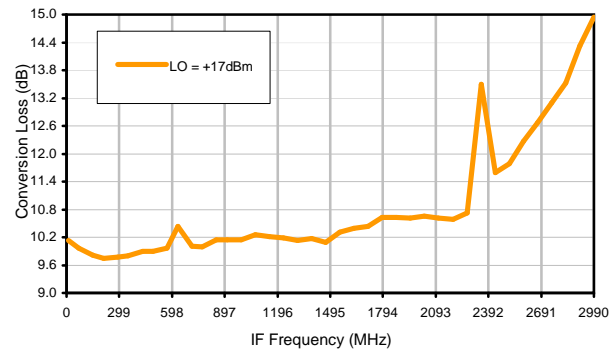
Conversion Loss vs. IF @ RF=1500.1MHz



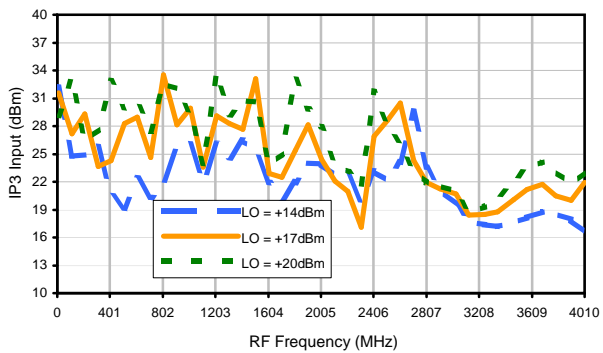
Conversion Loss vs. IF @ RF=10.1MHz



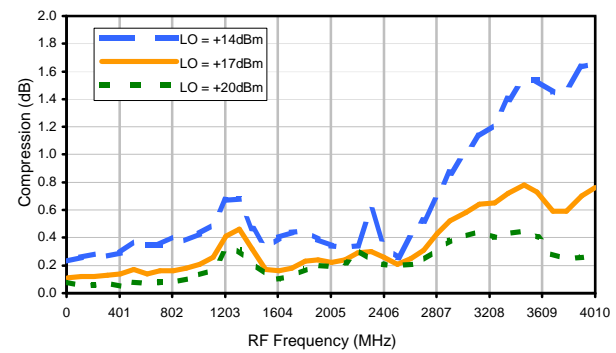
Conversion Loss vs. IF @ RF=3000.1001MHz



IP3 Input



Compression @ RF IN=+10dBm



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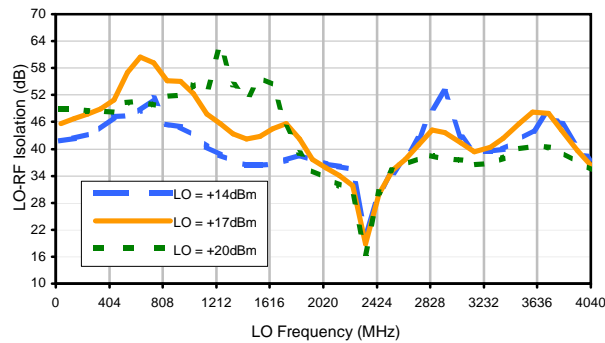


The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

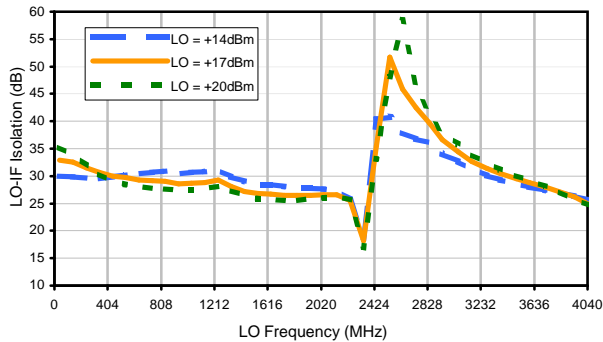


Typical Performance Curves

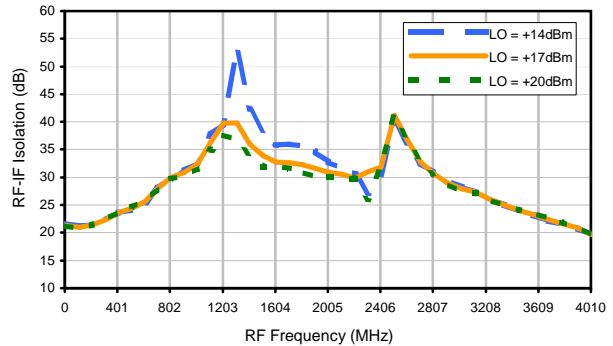
LO-RF Isolation



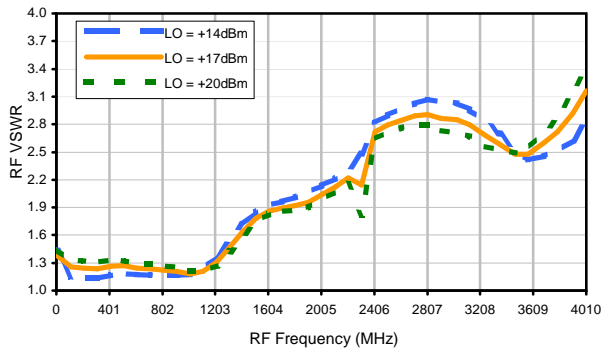
LO-IF Isolation



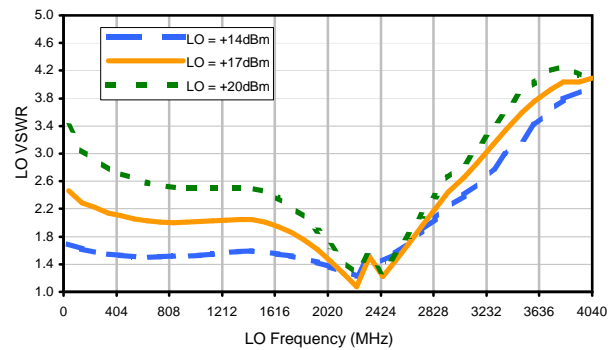
RF-IF Isolation



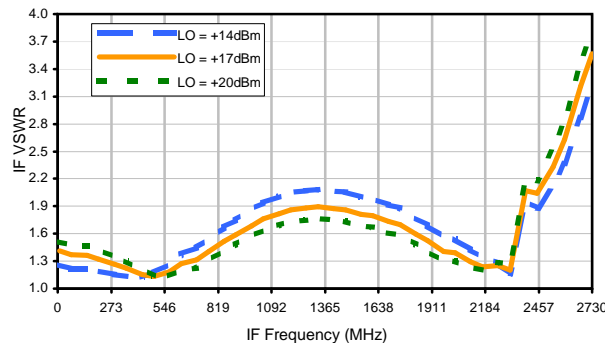
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+4	9	9	16	12	35	16	30	31	36
1	-	24	+0	23	19	28	24	35	41	41	45	44
2	67	57	48	48	51	60	60	59	46	67	50	54
3	>90	>76	75	72	71	>76	74	71	68	70	72	71
4	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
5	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
6	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
7	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
8	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
9	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
10	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1500.1 MHz; -5.00 dBm.
 LO IN: 1530.1 MHz; +17.00 dBm
 IF OUT: 30 MHz; -14 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	6	19	20	26	24	49	30	42	52	46
1	-	24	+0	23	19	30	24	36	39	46	50	47
2	47	48	37	39	40	55	48	49	39	57	45	46
3	69	58	51	50	51	51	54	50	57	51	60	56
4	>90	65	68	64	69	59	57	65	63	61	60	60
5	>90	71	68	82	66	65	63	67	69	72	65	73
6	>90	78	83	78	>86	72	74	68	75	76	>86	71
7	>90	>86	>86	83	>86	>86	79	77	73	75	82	85
8	>90	>86	>86	>86	>86	>86	>86	>86	>86	82	>86	86
9	>90	>86	>86	>86	>86	>86	>86	>86	>86	86	83	82
10	>90	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1500.1 MHz; 5.00 dBm.
 LO IN: 1530.1 MHz; +17.00 dBm
 IF OUT: 30 MHz; -3.98 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.