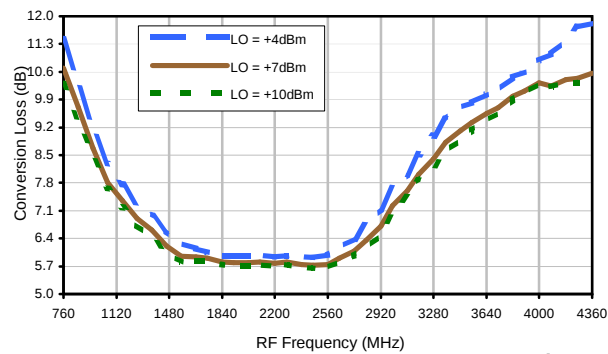
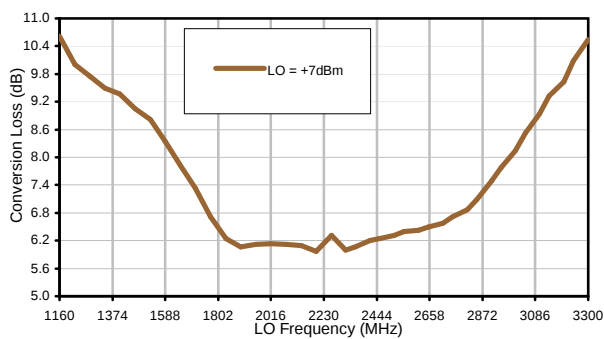


Typical Performance Curves

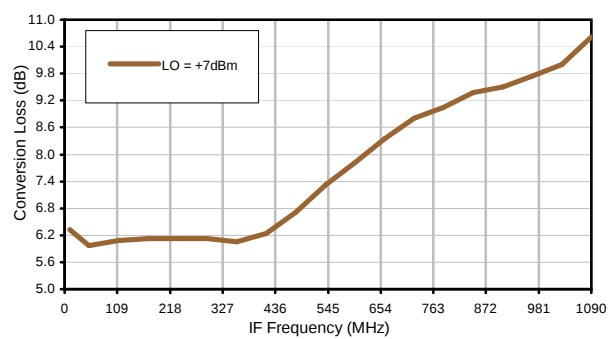
Conversion Loss @ IF=30MHz



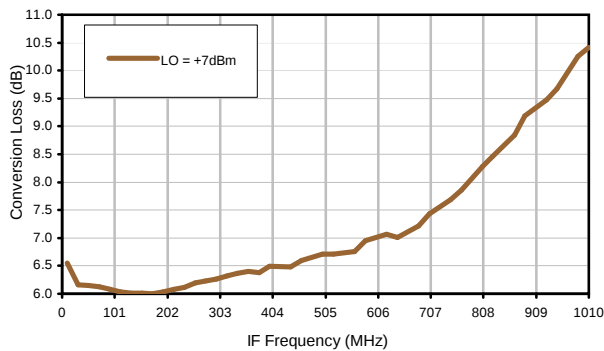
Conversion Loss vs. LO @ RF=2250MHz



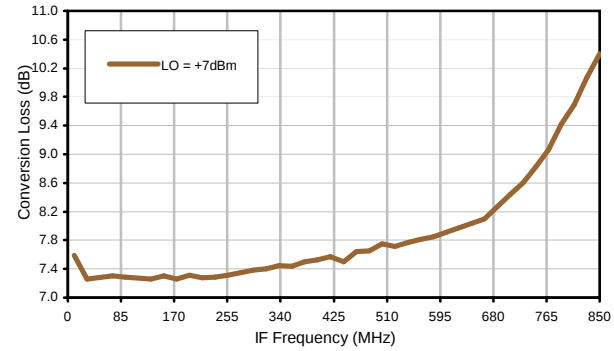
Conversion Loss vs. IF @ RF=2250MHz



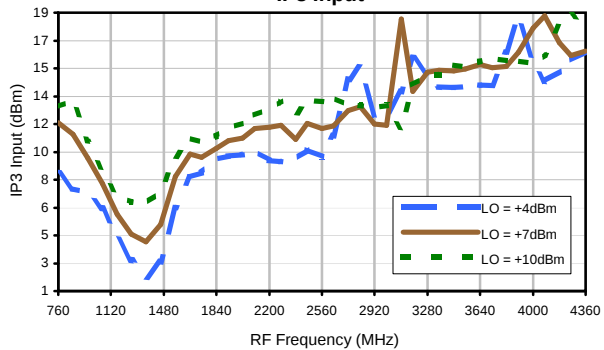
Conversion Loss vs. IF @ RF=1489.9MHz



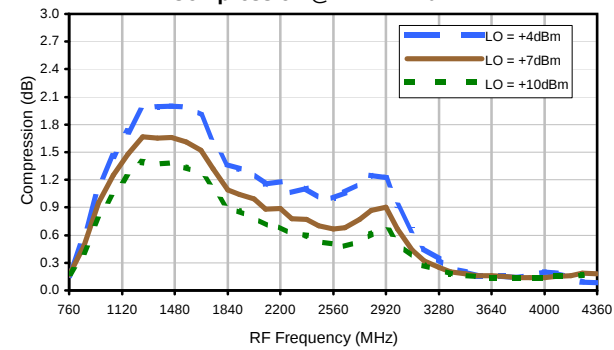
Conversion Loss vs. IF @ RF=3010.1001MHz



IP3 Input



Compression @ RF IN=+1dBm



REV. X2

ADE-ED12872/8

101013

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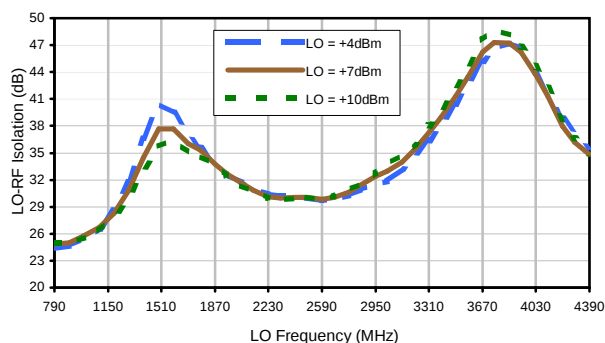


The Design Engineers Search Engine finds the model you need, instantly • For detailed performance specs & shopping online see

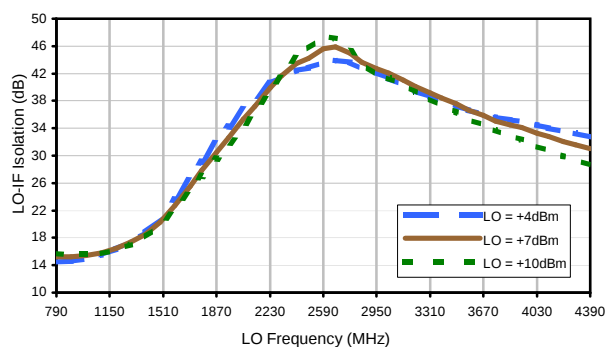


Typical Performance Curves

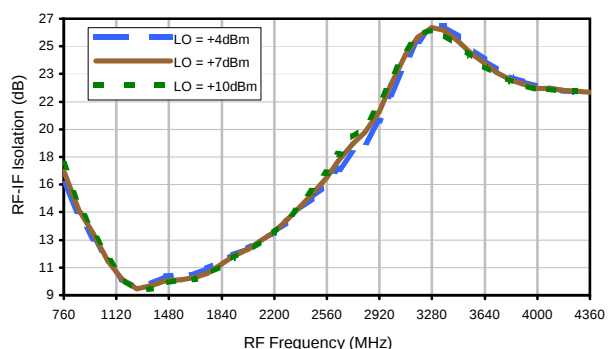
LO-RF Isolation



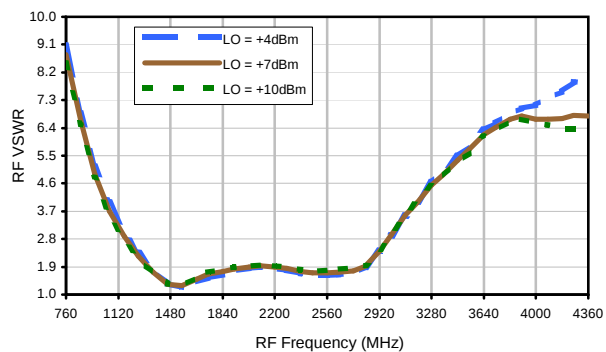
LO-IF Isolation



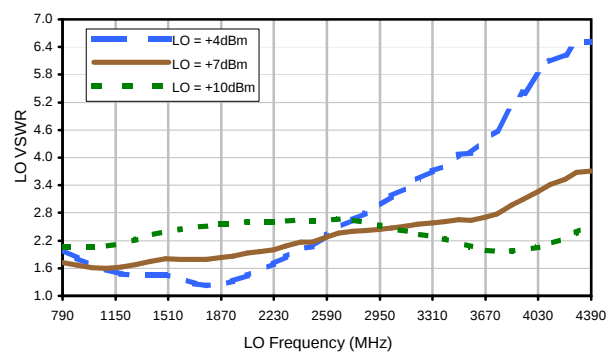
RF-IF Isolation



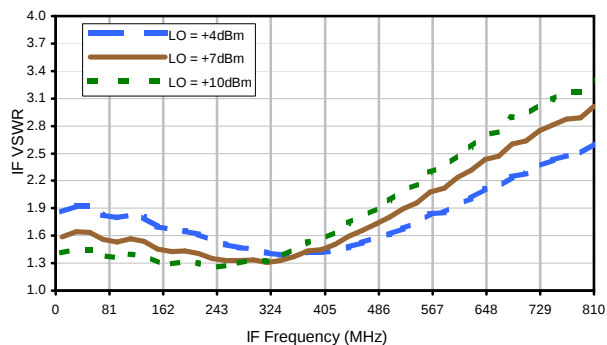
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	12	53	24	31	13	45	34	50	40	> 70
1	-	7	+0	41	39	34	33	41	43	46	51	54
2	86	> 70	> 70	66	> 70	> 70	69	61	50	> 70	65	> 70
3	> 90	70	> 70	> 70	61	> 70	> 70	> 70	> 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: 2150.00 MHz; -14.00 dBm.
LO IN: 2180.00 MHz; +7.00 dBm
IF OUT: 30.00 MHz; -19.99 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	22	64	34	42	25	57	48	63	73	75
1	-	7	+0	38	39	36	34	44	46	51	56	61
2	66	77	65	56	79	> 80	61	55	44	77	61	73
3	> 90	50	65	57	42	59	73	54	59	63	60	65
4	> 90	74	> 80	> 80	> 80	77	> 80	> 80	77	69	61	> 80
5	> 90	> 80	> 80	> 80	> 80	> 80	62	> 80	> 80	72	79	> 80
6	> 90	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80
7	> 90	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80
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: 2150 MHz; -4.00 dBm.
LO IN: 2180.00 MHz; +7.00 dBm
IF OUT: 30.00 MHz; -10.06 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.