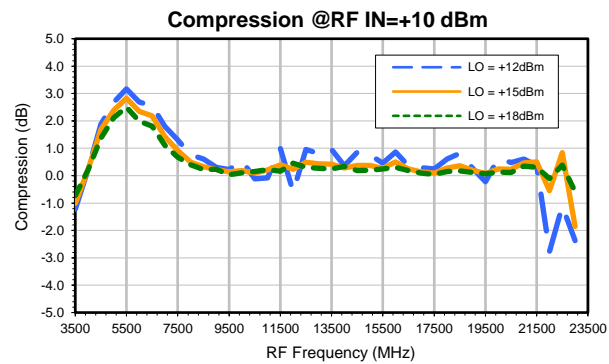
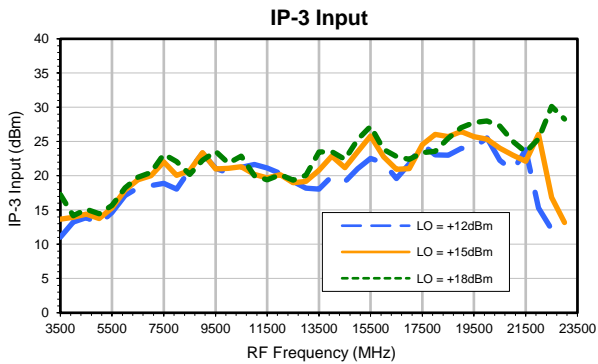
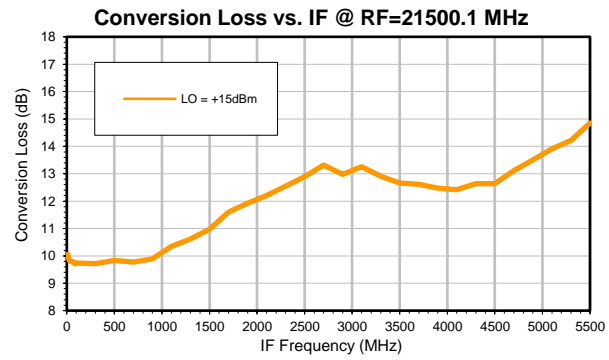
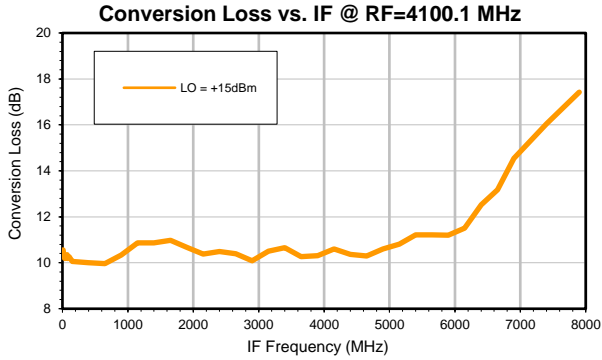
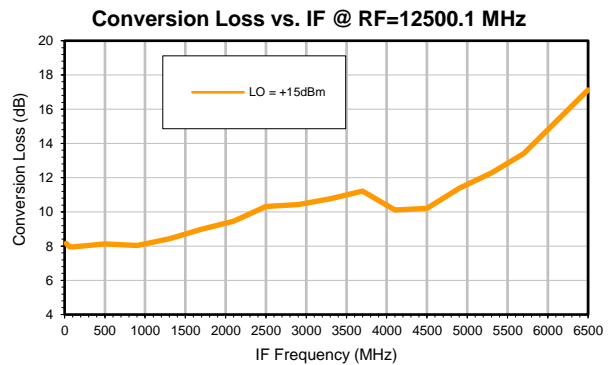
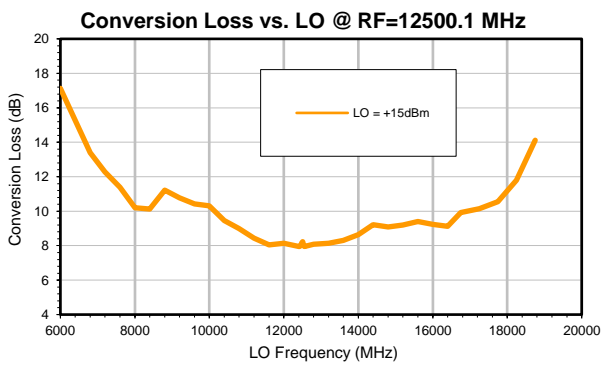
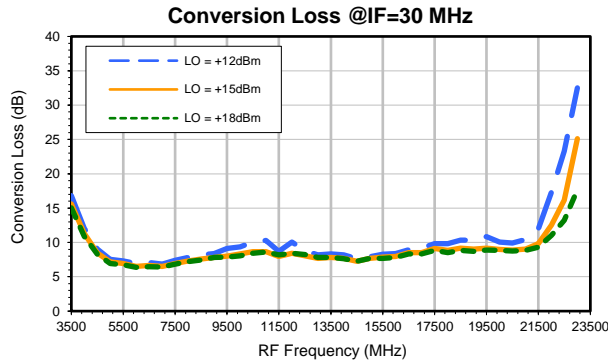


Wideband Double Balanced Mixer

Typical Performance Curves

MDB-24H+



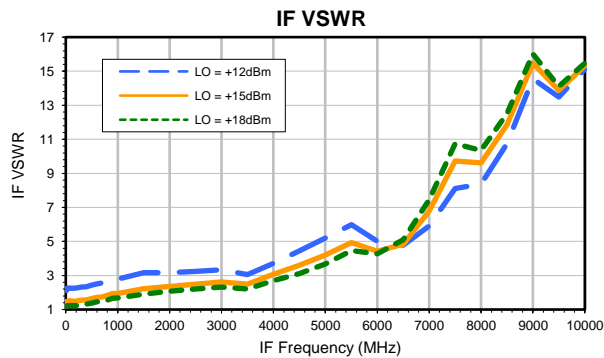
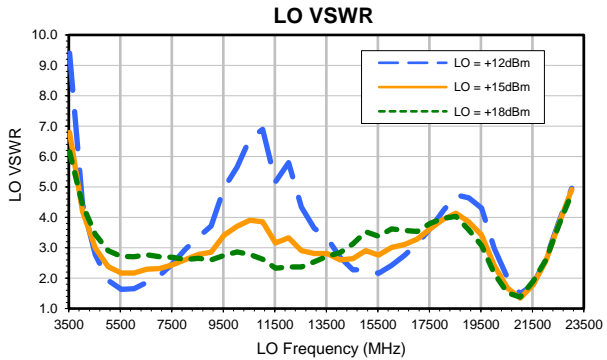
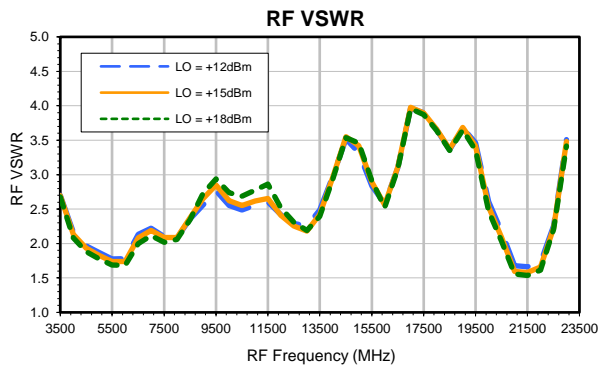
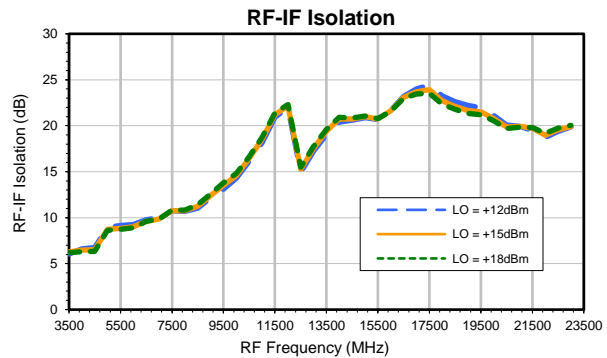
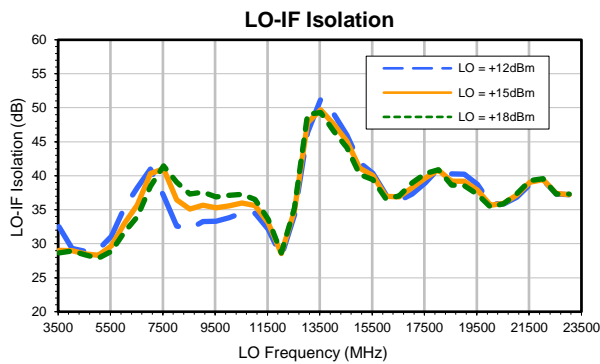
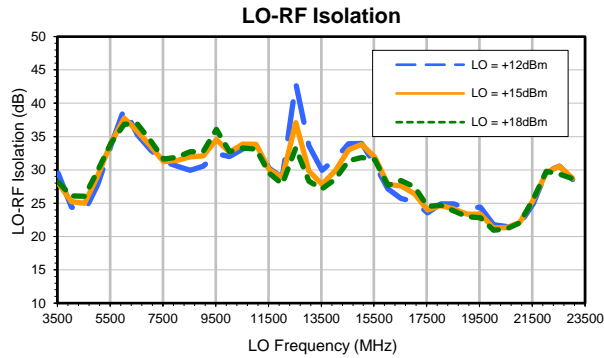
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site
 The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



IF/RF MICROWAVE COMPONENTS

REV. OR
 MDB-24H+
 2/4/2016
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Typical Performance Curves



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	25	37	40	---	---	---	---	---	---	---
1	---	9	---	41	45	59	---	---	---	---	---	---
2	88	75	66	47	67	76	73	---	---	---	---	---
3	98	88	76	66	44	66	79	93	---	---	---	---
4	---	---	92	98	93	65	90	97	94	---	---	---
5	---	---	---	95	95	94	69	89	96	96	---	---
6	---	---	---	---	100	109	99	86	99	102	97	---
7	---	---	---	---	---	99	101	100	87	105	103	98
8	---	---	---	---	---	---	87	104	109	100	105	98
9	---	---	---	---	---	---	---	92	107	100	104	108
10	---	---	---	---	---	---	---	---	96	104	109	105
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 13000.1 MHz; 0 dBm.
 LO IN: 13030.1 MHz; +15.00 dBm
 IF OUT: 30 MHz; -7.66 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	36	46	53	---	---	---	---	---	---	---
1	---	10	---	40	44	63	---	---	---	---	---	---
2	69	71	64	42	65	76	69	---	---	---	---	---
3	83	77	58	51	28	56	68	75	---	---	---	---
4	---	---	82	77	72	57	73	79	81	---	---	---
5	---	---	---	84	81	64	43	65	78	85	---	---
6	---	---	---	---	93	91	77	61	82	85	98	---
7	---	---	---	---	---	94	87	75	52	75	80	89
8	---	---	---	---	---	---	90	99	84	64	88	91
9	---	---	---	---	---	---	---	91	89	83	59	88
10	---	---	---	---	---	---	---	---	99	99	91	68
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 13000.1 MHz; 10 dBm.
 LO IN: 13030.1 MHz; +15.00 dBm
 IF OUT: 30 MHz; 1.83 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 represents the Harmonics level of the RF Input Signal to the mixer

