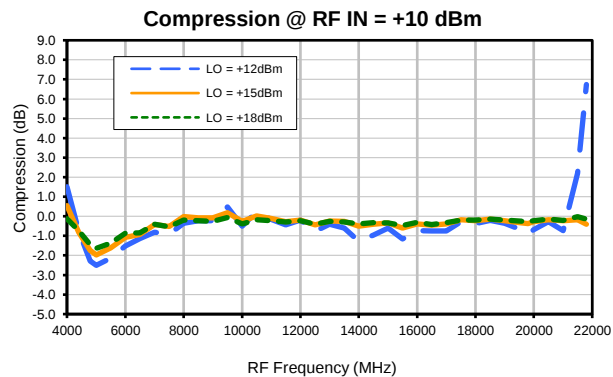
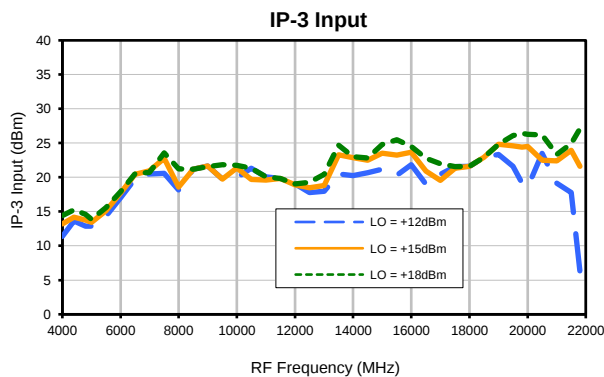
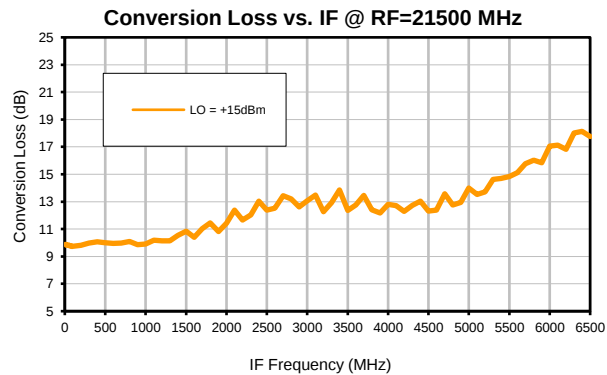
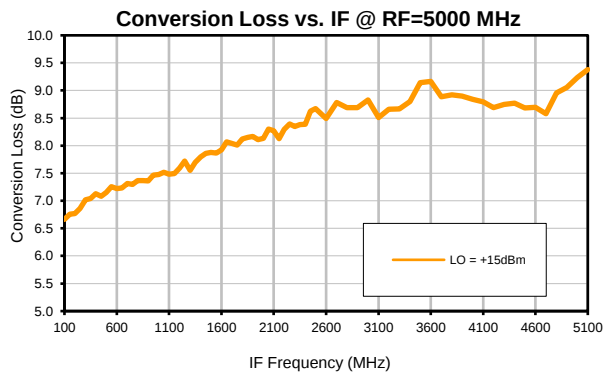
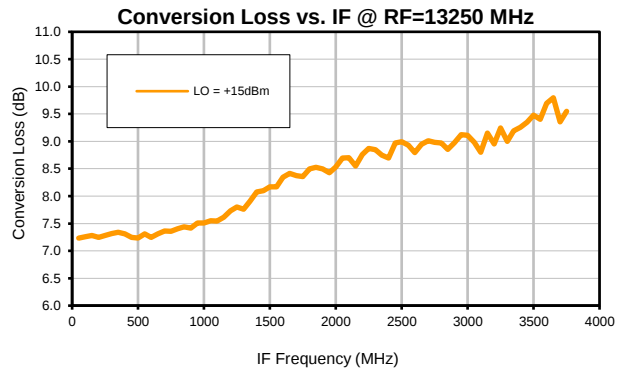
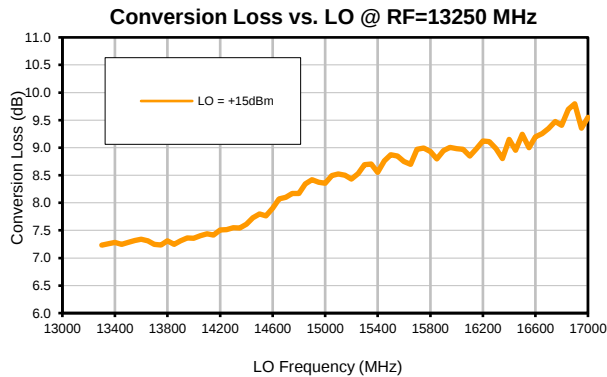
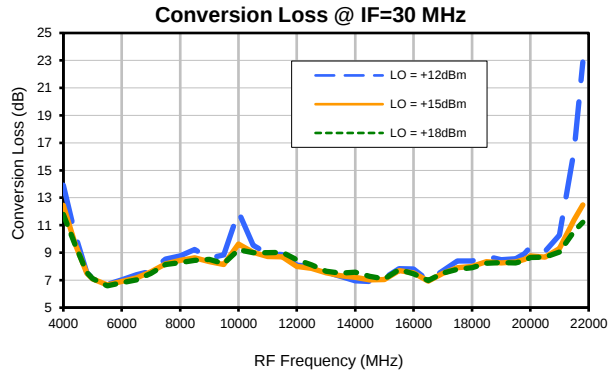


Frequency Mixer

Typical Performance Curves

ZMDB-24H-K+



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

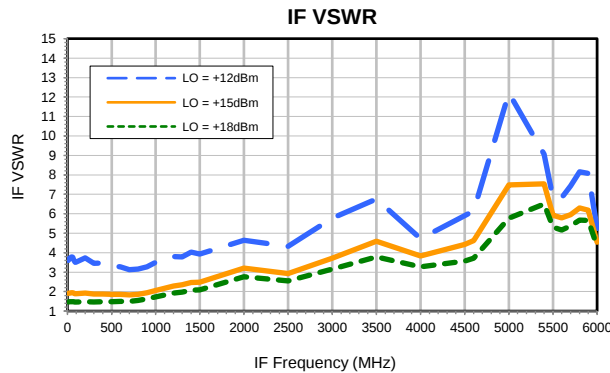
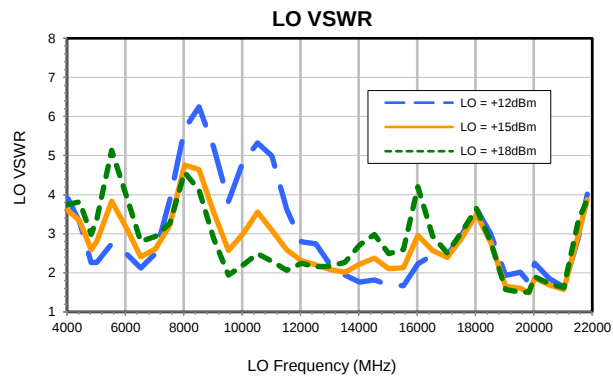
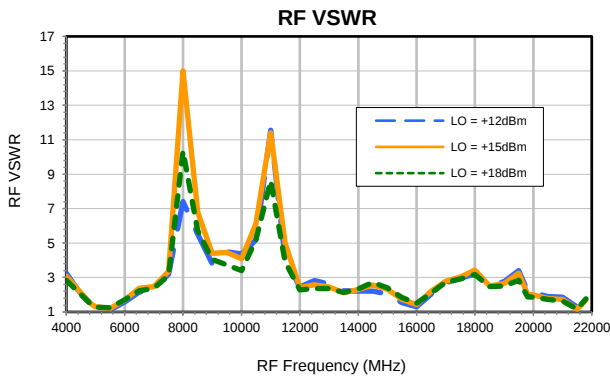
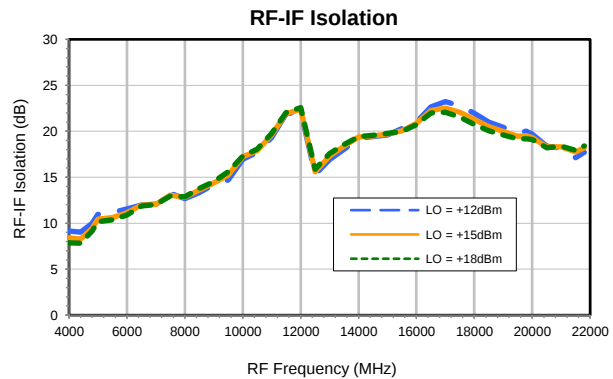
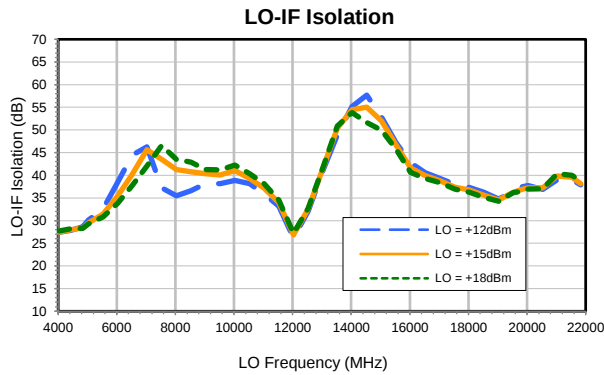
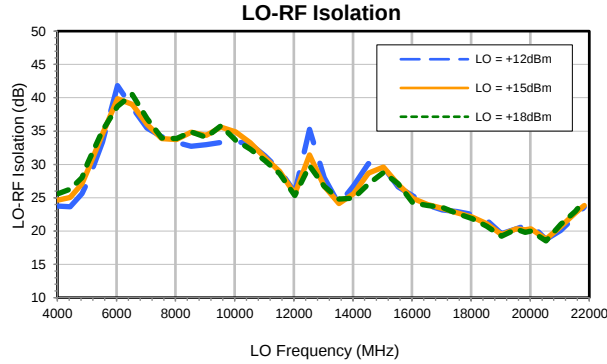


REV. OR
ZMDB-24H-K+
10/8/2020
Page 1 of 3

Frequency Mixer

Typical Performance Curves

ZMDB-24H-K+



Harmonics Tables

RF HARMONICS ORDER

Notes: 1. All Harmonics are relative to IF OUTPUT (dBm)
2. + entry denotes harmonics above IF OUTPUT (dBm)

RF CAL	(-dBm)	(dBc)										
0	---	-	(dBc)	30.22	16.81	---	---	---	---	---	---	---
1	---	10.43	-	41.26	54.16	38.02	---	---	---	---	---	---
2	81.68	62.18	68.61	41.42	69.55	70.26	47.69	---	---	---	---	---
3	75.26	76.68	78.19	65.73	44.48	67.11	81.33	67.42	---	---	---	---
4	---	---	75.05	83.02	81.36	61.71	84.68	81.50	69.98	---	---	---
5	---	---	---	76.48	83.55	86.49	67.55	88.86	81.56	75.76	---	---
6	---	---	---	---	75.67	81.61	87.28	76.80	88.12	81.68	4.27	---
7	---	---	---	---	---	76.51	83.94	88.19	83.66	90.05	82.53	3.97
8	---	---	---	---	---	---	76.81	81.90	88.39	88.66	87.42	84.02
9	---	---	---	---	---	---	---	75.12	82.83	87.37	94.93	87.18
10	---	---	---	---	---	---	---	---	75.67	84.70	87.20	96.96
		0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 13250.1 MHz; 0.00 dBm.
LO IN: 13280.1 MHz; +15.00 dBm
IF OUT: 30.00 MHz; -7.42 dBm

RF HARMONICS ORDER

Notes: 1. All Harmonics are relative to IF OUTPUT (dBm)
2. + entry denotes harmonics above IF OUTPUT (dBm)

RF CAL	(-dBm)	(dBc)										
0	---	-	33.20	39.47	29.52	---	---	---	---	---	---	---
1	---	9.62	-	36.74	55.22	40.99	---	---	---	---	---	---
2	75.43	53.63	65.96	46.40	60.27	65.98	45.78	---	---	---	---	---
3	68.02	63.92	76.39	51.11	27.32	57.87	67.33	54.35	---	---	---	---
4	---	---	70.18	66.96	76.51	52.66	71.22	72.50	54.48	---	---	---
5	---	---	---	74.32	70.69	63.65	43.11	64.31	75.69	66.61	---	---
6	---	---	---	---	73.63	76.34	77.38	61.05	82.10	76.54	-8.66	---
7	---	---	---	---	---	77.30	76.69	75.26	53.68	75.39	77.42	2.50
8	---	---	---	---	---	---	75.97	84.37	80.06	71.38	83.65	81.67
9	---	---	---	---	---	---	---	79.37	82.40	84.85	60.92	83.25
10	---	---	---	---	---	---	---	---	77.21	82.45	87.12	78.01
		0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 13250.1 MHz; +10.00 dBm.
LO IN: 13280.1 MHz; +15.00 dBm
IF OUT: 30.00 MHz; +2.01 dBm