

Typical Performance Data

RF (MHz)	LO (MHz)	CONVERSION LOSS (dB)			LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
		@LO (dBm)				@LO (dBm)			@LO (dBm)		
		+10	+13	+16		+10	+13	+16	+10	+13	+16
1.0	31.0	-0.98	-1.40	-1.66	1.0	79.9	78.2	77.1	45.4	42.2	42.2
2.0	32.0	-1.50	-1.90	-2.13	2.0	77.0	75.4	74.3	45.1	42.8	42.9
5.0	35.0	-1.89	-2.23	-2.47	5.0	69.8	68.3	67.4	45.6	43.4	43.4
10.0	40.0	-1.98	-2.31	-2.55	10.0	64.7	63.0	62.0	45.5	43.3	43.2
20.0	50.0	-1.99	-2.33	-2.55	20.0	58.8	57.5	56.5	44.2	42.1	41.7
49.3	79.3	-1.99	-2.34	-2.56	49.3	52.5	51.3	50.4	42.0	39.9	39.0
50.0	80.0	-1.99	-2.33	-2.56	50.0	52.4	51.2	50.3	41.9	39.8	38.9
97.6	67.6	-1.97	-2.28	-2.53	97.6	47.1	46.3	45.5	38.5	36.1	35.0
100.0	70.0	-1.99	-2.29	-2.54	100.0	46.8	46.1	45.3	38.4	36.0	34.9
145.9	115.9	-2.03	-2.36	-2.55	145.9	44.6	43.5	42.2	36.3	34.1	32.6
194.2	164.2	-2.05	-2.32	-2.49	194.2	42.7	41.5	40.3	34.9	32.6	31.1
200.0	170.0	-2.05	-2.33	-2.50	200.0	42.5	41.2	39.9	34.8	32.3	30.8
242.5	212.5	-2.04	-2.28	-2.46	242.5	40.6	39.3	38.1	32.4	30.9	29.4
250.0	220.0	-2.09	-2.30	-2.49	250.0	40.2	39.0	37.8	32.1	30.6	29.2
290.7	260.7	-1.98	-2.23	-2.43	290.7	38.6	37.3	36.2	29.5	28.9	27.9
339.0	309.0	-1.95	-2.20	-2.40	339.0	37.1	35.9	34.8	27.1	27.1	26.6
387.3	357.3	-1.88	-2.15	-2.38	387.3	35.6	34.5	33.5	25.5	25.8	25.7
435.6	405.6	-1.76	-2.06	-2.29	435.6	33.7	32.6	31.8	23.6	24.6	24.7
483.9	453.9	-1.69	-2.01	-2.27	483.9	32.9	32.1	31.5	22.4	23.8	24.3
500.0	470.0	-1.74	-2.04	-2.28	500.0	32.7	31.9	31.2	22.0	23.3	23.6

Frequency Mixer

UNCL-X1MH

Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+10	+13	+16	+10	+13	+16		+10	+13	+16
5.0	1.15	1.17	1.20	1.69	2.34	3.14	5.0	1.24	1.22	1.19
10.0	1.08	1.10	1.14	1.62	2.28	3.05	10.0	1.23	1.20	1.17
20.0	1.05	1.07	1.12	1.68	2.37	3.17	20.0	1.19	1.16	1.14
50.0	1.03	1.06	1.12	1.61	2.30	3.08	50.0	1.16	1.13	1.11
57.5	1.03	1.06	1.12	1.59	2.28	3.06	57.5	1.16	1.13	1.10
95.0	1.03	1.06	1.12	1.57	2.24	2.93	95.0	1.15	1.12	1.09
100.0	1.03	1.06	1.12	1.59	2.23	2.95	100.0	1.15	1.12	1.09
140.0	1.03	1.06	1.12	1.58	2.22	2.95	140.0	1.14	1.11	1.09
185.0	1.03	1.06	1.12	1.55	2.15	2.80	185.0	1.13	1.11	1.10
200.0	1.03	1.06	1.12	1.56	2.11	2.81	200.0	1.13	1.11	1.10
230.0	1.04	1.05	1.11	1.56	2.12	2.76	230.0	1.12	1.10	1.10
245.0	1.08	1.05	1.09	1.55	2.10	2.69	245.0	1.11	1.10	1.10
250.0	1.12	1.09	1.10	1.55	2.08	2.67	250.0	1.11	1.10	1.10
275.0	1.12	1.11	1.14	1.53	2.03	2.60	275.0	1.11	1.10	1.11
320.0	1.09	1.11	1.15	1.51	1.97	2.50	320.0	1.10	1.10	1.11
365.0	1.10	1.12	1.17	1.51	1.93	2.38	365.0	1.09	1.10	1.12
410.0	1.11	1.14	1.18	1.49	1.87	2.30	410.0	1.08	1.11	1.13
455.0	1.13	1.16	1.20	1.45	1.79	2.19	455.0	1.08	1.11	1.14
485.0	1.15	1.17	1.22	1.44	1.79	2.18	485.0	1.09	1.12	1.15
500.0	1.16	1.18	1.22	1.44	1.79	2.17	500.0	1.09	1.13	1.15

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