

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)		
		+14	+17	+20		+14	+17	+20	+14	+17	+20
5.0	35.0	6.20	5.75	5.56	5.0	74.00	73.03	70.67	67.29	64.57	63.07
35.2	65.2	6.28	5.75	5.54	35.2	54.22	53.95	53.39	51.18	50.91	50.42
65.3	95.3	6.51	5.78	5.55	65.3	48.20	47.75	46.75	45.62	44.94	44.11
125.6	95.6	6.40	5.83	5.54	125.6	46.20	45.94	44.83	43.25	42.85	42.09
185.9	155.9	6.56	5.88	5.63	185.9	43.09	41.73	40.19	39.67	38.74	37.98
216.1	186.1	6.55	5.87	5.68	216.1	41.78	40.07	38.85	38.01	37.26	36.64
276.4	246.4	6.22	5.70	5.55	276.4	38.57	37.49	36.91	35.45	34.59	34.48
336.7	306.7	5.97	5.62	5.52	336.7	35.95	35.70	36.13	33.67	32.97	33.08
397.0	367.0	6.09	5.78	5.59	397.0	35.04	35.50	35.59	32.50	32.29	32.34
457.3	427.3	6.48	6.15	5.93	457.3	33.88	33.92	33.86	30.42	30.55	30.59
517.6	487.6	6.37	5.88	5.61	517.6	33.96	34.70	34.90	29.63	29.07	29.34
547.7	517.7	6.24	5.91	5.66	547.7	33.82	35.38	35.32	29.51	29.45	29.80
608.0	578.0	6.57	6.36	6.18	608.0	32.52	34.75	34.17	28.25	28.29	28.63
668.3	638.3	6.78	6.50	6.10	668.3	32.38	34.53	32.34	27.59	27.06	26.63
728.7	698.7	7.19	6.30	5.86	728.7	32.32	33.69	32.40	26.83	25.41	24.95
789.0	759.0	8.18	6.43	5.84	789.0	32.44	32.39	31.62	26.20	25.21	23.50
849.3	819.3	9.23	7.56	6.21	849.3	32.91	32.23	31.42	25.91	24.28	23.11
909.6	879.6	9.88	8.59	7.12	909.6	33.24	32.46	31.95	25.89	23.91	22.92
969.9	939.9	9.62	8.55	7.56	969.9	32.85	32.66	32.72	25.75	24.30	23.22
1000.0	970.0	9.60	8.57	7.71	1000.0	32.43	32.20	32.53	25.10	24.05	22.04

Frequency Mixer

ZFM-2H+

Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)			LO/RF (MHz)	max. DC output (mV)	DC Offset (mV)
	@LO (dBm)			@LO (dBm)				@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20		+14	+17	+20	+17		
5.0	1.37	1.24	1.21	1.27	1.51	2.45	5.0	2.28	2.05	1.80	5.00	-946.0	-0.04
35.1	1.24	1.10	1.03	1.11	1.53	2.39	35.1	2.22	2.01	1.77	35.15	-938.1	-0.02
65.2	1.24	1.10	1.03	1.13	1.52	2.48	65.2	2.27	2.04	1.80	65.30	-949.9	0.00
95.4	1.23	1.09	1.03	1.16	1.44	2.26	95.4	2.28	2.06	1.80	95.46	-985.5	0.09
155.6	1.23	1.09	1.04	1.17	1.43	2.30	155.6	2.33	2.10	1.83	155.76	-936.3	0.06
185.7	1.23	1.10	1.04	1.16	1.39	2.08	185.7	2.34	2.10	1.82	185.91	-950.6	0.23
246.0	1.24	1.11	1.05	1.21	1.38	2.10	246.0	2.47	2.20	1.90	246.22	-990.7	0.93
306.2	1.25	1.11	1.06	1.23	1.40	2.16	306.2	2.61	2.28	1.95	306.52	-1007.3	0.88
366.5	1.26	1.12	1.07	1.21	1.37	2.14	366.5	2.64	2.30	1.97	366.82	-905.2	1.17
426.7	1.27	1.13	1.08	1.21	1.36	2.04	426.7	2.68	2.34	2.00	427.13	-847.7	2.27
486.9	1.29	1.15	1.09	1.18	1.37	2.00	486.9	2.84	2.44	2.07	487.43	-867.6	2.06
517.1	1.29	1.15	1.08	1.16	1.39	2.03	517.1	2.94	2.51	2.09	517.58	-892.0	1.26
577.3	1.30	1.16	1.08	1.17	1.38	2.00	577.3	2.93	2.52	2.11	577.89	-927.8	1.97
637.6	1.33	1.17	1.10	1.17	1.38	1.93	637.6	2.91	2.50	2.13	638.19	-867.7	4.69
697.8	1.36	1.20	1.12	1.20	1.36	1.93	697.8	2.89	2.48	2.14	698.50	-753.4	4.48
758.0	1.38	1.22	1.15	1.13	1.45	1.94	758.0	2.69	2.35	2.06	758.80	-693.9	5.71
818.3	1.42	1.26	1.20	1.06	1.49	2.01	818.3	2.60	2.25	1.99	819.10	-667.6	4.22
878.5	1.51	1.34	1.29	1.03	1.52	2.05	878.5	2.62	2.25	1.97	879.41	-684.0	5.20
938.8	1.64	1.46	1.41	1.06	1.54	2.03	938.8	2.69	2.26	1.96	939.71	-675.3	6.68
1000.0	1.80	1.62	1.55	1.09	1.53	1.99	1000.0	2.63	2.22	1.92	1000.00	-664.1	7.63

REV. X1
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060614
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