

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)		
		+7	+10	+13		+7	+10	+13	+7	+10	+13
10.0	40.0	6.86	6.45	6.13	10.0	23.51	25.80	27.54	22.38	24.40	26.34
20.0	50.0	7.14	6.61	6.34	20.0	27.97	30.46	32.63	26.63	29.11	31.31
130.6	100.6	6.67	6.30	6.00	130.6	34.46	36.94	39.60	32.59	35.84	38.84
251.2	221.2	6.94	6.42	6.17	251.2	35.54	37.51	39.35	34.37	37.82	39.94
432.1	402.1	6.84	6.38	6.09	432.1	35.30	36.22	37.73	36.99	37.58	36.81
500.0	470.0	7.12	6.61	6.25	500.0	34.85	35.79	37.53	36.86	36.42	35.18
552.7	522.7	6.97	6.47	6.11	552.7	34.54	35.50	37.47	36.16	35.14	35.44
673.3	643.3	7.02	6.53	6.27	673.3	33.75	34.67	36.91	34.23	33.34	33.16
793.9	763.7	7.22	6.64	6.26	793.9	33.34	34.16	36.05	32.63	31.81	31.03
914.6	884.4	7.46	6.67	6.23	914.6	30.90	32.34	34.63	30.74	30.81	32.29
974.9	944.9	6.89	6.11	5.73	974.9	30.08	31.59	34.71	29.97	30.10	31.00
1035.2	1005.4	7.68	7.04	6.58	1035.2	29.48	30.74	33.95	29.59	29.56	29.88
1155.8	1125.6	7.87	7.24	6.86	1155.8	29.06	30.26	33.04	30.57	30.08	29.66
1276.4	1246.5	7.25	6.75	6.45	1276.4	28.54	29.72	32.56	30.95	30.93	30.95
1397.0	1366.8	7.13	6.57	6.29	1397.0	27.77	28.85	31.02	31.65	31.94	31.72
1517.6	1487.5	7.13	6.59	6.31	1517.6	27.47	28.61	30.81	31.07	31.80	31.80
1638.2	1608.0	7.27	6.63	6.41	1638.2	26.64	27.94	31.04	28.51	29.65	29.86
1758.8	1728.7	7.54	6.91	6.59	1758.8	27.21	28.39	31.71	26.22	26.17	26.74
1879.4	1849.5	7.63	7.01	6.70	1879.4	29.18	30.98	33.15	26.60	26.61	26.54
2000.0	1970.0	8.00	7.24	7.00	2000.0	30.21	32.51	39.43	25.08	24.79	24.71

Frequency Mixer

ZFM-150+

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)		
	+7	+10	+13	+7	+10	+13		+7	+10	+13	+10		
10.0	1.78	1.62	1.57	1.65	1.69	2.23	10.0	1.45	1.35	1.36	10.00	210.7	-2.85
50.0	1.43	1.29	1.21	1.10	1.49	2.18	50.0	1.34	1.15	1.09	20.00	214.5	-0.81
100.0	1.43	1.29	1.20	1.09	1.39	2.01	100.0	1.36	1.15	1.05	50.00	212.9	0.00
200.0	1.52	1.34	1.25	1.18	1.36	1.96	200.0	1.39	1.16	1.04	100.00	210.6	0.22
251.2	1.55	1.38	1.28	1.24	1.34	1.91	251.2	1.39	1.17	1.04	124.11	210.1	0.33
371.8	1.70	1.49	1.37	1.36	1.30	1.77	371.8	1.43	1.20	1.05	200.00	216.6	0.50
492.4	1.81	1.60	1.45	1.49	1.29	1.66	492.4	1.48	1.23	1.08	238.23	221.1	0.34
552.7	1.88	1.62	1.46	1.56	1.28	1.60	552.7	1.49	1.23	1.10	352.34	224.0	0.50
673.3	1.98	1.70	1.53	1.66	1.26	1.48	673.3	1.50	1.24	1.14	428.42	195.0	0.42
793.9	2.03	1.79	1.62	1.75	1.26	1.40	793.9	1.49	1.24	1.17	500.00	185.0	0.71
914.6	2.13	1.89	1.74	1.80	1.22	1.31	914.6	1.44	1.21	1.17	542.53	192.0	0.74
1000.0	2.24	2.02	1.87	1.73	1.20	1.25	1000.0	1.47	1.24	1.20	656.65	223.1	0.75
1095.5	2.35	2.07	1.93	1.90	1.20	1.20	1095.5	1.49	1.25	1.20	770.76	183.0	1.43
1216.1	2.44	2.13	1.98	1.86	1.18	1.21	1216.1	1.51	1.26	1.18	846.84	171.5	2.48
1336.7	2.43	2.13	2.00	1.86	1.13	1.30	1336.7	1.51	1.27	1.15	922.91	195.3	1.61
1457.3	2.30	2.05	1.95	1.65	1.07	1.43	1457.3	1.47	1.26	1.15	1000.00	173.8	2.06
1577.9	2.12	1.88	1.79	1.41	1.12	1.88	1577.9	1.41	1.23	1.18	1250.00	177.1	2.00
1698.5	1.88	1.45	1.61	1.31	1.18	1.79	1698.5	1.33	1.19	1.20	1500.00	188.1	3.99
1819.1	1.75	1.43	1.47	1.26	1.21	1.76	1819.1	1.27	1.16	1.19	1750.00	182.0	4.17
2000.0	1.69	1.55	1.42	1.22	1.26	1.72	2000.0	1.18	1.12	1.16	2000.00	199.7	4.20

REV. X1
ZFM-150+
060614
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