

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
2.0	32.0	6.99	6.30	5.96	2.0	59.73	62.98	64.42	49.91	52.28	53.48
5.0	35.0	6.55	5.95	5.64	5.0	58.95	62.06	63.57	50.65	52.79	53.94
10.0	40.0	6.49	5.92	5.61	10.0	58.36	60.47	61.17	50.51	52.35	53.27
20.0	50.0	6.50	5.91	5.56	20.0	56.65	57.14	56.42	49.94	51.13	51.39
34.1	64.1	6.36	5.81	5.52	34.1	54.15	53.27	52.36	49.01	49.30	48.99
50.0	80.0	6.25	5.72	5.45	50.0	51.52	50.24	49.08	47.71	47.27	46.43
66.3	96.3	6.18	5.66	5.41	66.3	49.53	48.03	46.97	46.55	45.61	44.80
82.3	52.3	6.26	5.71	5.44	82.3	47.86	46.33	45.28	45.48	44.27	43.40
100.0	70.0	6.11	5.63	5.41	100.0	46.57	44.99	43.58	44.56	43.26	41.99
130.5	100.5	6.17	5.61	5.39	130.5	45.09	43.18	41.88	43.49	41.91	40.57
162.7	132.7	6.18	5.61	5.47	162.7	43.61	41.46	40.35	42.55	40.45	39.27
200.0	170.0	5.98	5.60	5.49	200.0	42.31	40.12	38.78	41.40	39.22	37.84
259.0	229.0	5.65	5.42	5.35	259.0	39.68	38.10	36.88	38.80	37.51	36.43
307.2	277.2	5.78	5.62	5.51	307.2	39.02	37.54	36.24	37.22	36.13	34.78
355.4	325.4	6.08	5.86	5.65	355.4	38.51	37.41	36.33	37.11	36.94	36.74
387.6	357.6	6.14	5.92	5.76	387.6	37.04	36.35	35.45	36.53	35.99	35.89
435.8	405.8	6.05	5.81	5.70	435.8	36.29	35.35	33.81	34.02	33.91	32.80
467.9	437.9	6.02	5.90	5.85	467.9	36.52	36.34	34.94	33.70	33.81	33.32
484.0	454.0	6.15	6.08	6.03	484.0	36.00	36.44	35.92	33.21	33.54	33.58
500.0	470.0	6.33	6.27	6.18	500.0	35.43	36.27	36.07	32.39	33.21	33.60

Frequency Mixer

ZFM-1H+

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	1.28	1.22	1.25	1.27	1.67	2.71	5.0	1.51	1.33	1.25	2.00	-896.4	0.84
10.0	1.20	1.10	1.14	1.20	1.60	2.58	10.0	1.51	1.34	1.25	5.00	-910.7	0.82
20.0	1.16	1.03	1.09	1.07	1.63	2.60	20.0	1.51	1.33	1.25	10.00	-925.3	0.82
35.9	1.14	1.02	1.10	1.08	1.61	2.56	35.9	1.50	1.33	1.25	20.00	-928.2	0.82
50.0	1.14	1.04	1.12	1.13	1.58	2.55	50.0	1.51	1.34	1.26	50.00	-907.3	0.86
82.3	1.14	1.06	1.13	1.12	1.57	2.33	82.3	1.52	1.36	1.27	70.69	-918.4	0.93
100.0	1.15	1.07	1.14	1.11	1.55	2.46	100.0	1.55	1.38	1.29	100.00	-923.4	0.89
128.8	1.15	1.08	1.15	1.12	1.54	2.30	128.8	1.58	1.41	1.32	122.20	-943.5	0.97
175.2	1.18	1.09	1.16	1.10	1.57	2.33	175.2	1.68	1.49	1.41	156.55	-957.9	1.21
200.0	1.18	1.10	1.16	1.08	1.55	2.24	200.0	1.73	1.54	1.45	173.72	-976.0	1.21
252.5	1.20	1.10	1.16	1.06	1.55	2.23	252.5	1.89	1.70	1.60	200.00	-989.1	1.53
298.9	1.21	1.08	1.15	1.08	1.60	2.29	298.9	2.12	1.85	1.72	242.41	-1025.6	1.08
329.9	1.21	1.07	1.14	1.11	1.67	2.37	329.9	2.30	1.96	1.83	276.75	-1017.8	1.54
360.8	1.20	1.06	1.13	1.16	1.70	2.33	360.8	2.43	2.10	1.91	300.00	-987.0	1.77
391.7	1.19	1.05	1.12	1.20	1.76	2.38	391.7	2.63	2.24	2.05	328.27	-939.2	2.14
422.7	1.17	1.04	1.12	1.21	1.82	2.41	422.7	2.86	2.38	2.19	362.61	-883.4	1.02
453.6	1.14	1.05	1.13	1.28	1.84	2.51	453.6	3.02	2.52	2.28	400.00	-847.5	0.71
469.1	1.12	1.06	1.14	1.31	1.85	2.49	469.1	3.14	2.61	2.35	431.30	-861.9	1.38
484.5	1.10	1.08	1.16	1.38	1.87	2.48	484.5	3.22	2.69	2.43	465.64	-903.3	1.34
500.0	1.08	1.09	1.17	1.42	1.90	2.52	500.0	3.27	2.73	2.44	500.00	-877.0	1.67

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060614
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IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED RoHS compliant

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