

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)		
		+4	+7	+10		+4	+7	+10	+4	+7	+10
1.0	31.0	6.03	5.81	5.64	1.0	74.57	76.49	78.05	69.41	72.03	75.32
2.1	32.1	6.06	5.83	5.67	2.1	78.01	74.70	74.05	70.36	73.03	73.50
11.0	41.0	5.98	5.80	5.63	11.0	65.44	63.50	62.16	68.35	69.26	69.76
56.5	86.5	6.04	5.80	5.61	56.5	53.65	50.82	49.20	60.42	61.44	61.68
160.4	130.4	6.12	5.88	5.70	160.4	45.87	43.16	41.46	54.23	54.92	55.36
216.1	186.1	6.10	5.81	5.70	216.1	43.24	40.68	38.94	52.60	53.11	53.54
250.8	220.8	6.15	5.85	5.73	250.8	41.87	39.60	37.95	52.13	53.11	53.38
337.9	307.9	6.24	5.93	5.81	337.9	38.48	36.86	35.29	51.11	51.90	52.61
455.3	425.3	6.47	6.15	5.91	455.3	34.17	33.77	32.74	49.67	50.56	51.40
528.4	498.4	6.34	6.01	5.80	528.4	31.74	31.68	31.38	48.91	49.21	49.45
613.4	583.4	6.58	6.23	5.97	613.4	30.06	30.05	29.51	50.28	50.49	50.14
750.0	720.0	6.75	6.34	6.10	750.0	26.78	27.83	28.16	50.90	48.82	47.76
826.4	796.4	6.83	6.30	6.02	826.4	25.33	26.21	26.74	51.34	49.29	47.60
900.0	870.0	6.85	6.30	5.96	900.0	24.45	25.22	25.84	50.34	49.14	47.75
1000.0	970.0	6.96	6.43	6.07	1000.0	23.68	24.31	24.65	50.30	49.77	49.10
1200.0	1170.0	6.79	6.37	6.13	1200.0	22.57	24.48	25.95	41.98	44.45	48.27
1292.3	1262.3	6.65	6.29	6.09	1292.3	22.17	24.10	25.65	39.70	42.55	46.01
1400.0	1370.0	6.70	6.43	6.27	1400.0	22.54	24.34	25.85	38.81	41.19	44.02
1450.0	1420.0	6.81	6.56	6.42	1450.0	22.58	24.29	25.74	37.96	40.04	42.31
1500.0	1470.0	6.93	6.77	6.58	1500.0	23.56	25.14	26.45	38.23	40.04	41.93

Frequency Mixer

ZFM-5X

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)		
	+4	+7	+10	+4	+7	+10		+4	+7	+10	+7		
1.0	1.36	1.25	1.16	2.17	2.94	4.03	1.0	1.67	1.69	1.71	5.00	-217.6	0.19
2.1	1.36	1.25	1.16	1.97	2.78	3.89	63.3	1.06	1.05	1.11	10.00	-228.2	0.18
11.0	1.37	1.26	1.17	1.74	2.54	3.60	125.5	1.11	1.08	1.11	20.00	-233.0	0.18
56.5	1.39	1.28	1.20	1.69	2.46	3.46	187.8	1.13	1.09	1.12	50.00	-236.6	0.19
160.4	1.45	1.37	1.31	1.63	2.37	3.32	250.0	1.17	1.14	1.17	100.00	-231.6	0.17
216.1	1.50	1.43	1.40	1.65	2.38	3.31	300.0	1.24	1.21	1.21	125.00	-233.6	0.17
250.8	1.54	1.48	1.45	1.65	2.36	3.27	350.0	1.26	1.22	1.22	200.00	-224.3	0.16
337.9	1.62	1.58	1.56	1.67	2.37	3.27	400.0	1.34	1.30	1.28	280.00	-247.8	0.11
455.3	1.73	1.70	1.69	1.76	2.44	3.33	450.0	1.39	1.34	1.32	360.00	-230.3	0.22
528.4	1.78	1.75	1.75	1.79	2.45	3.29	500.0	1.46	1.40	1.37	440.00	-218.0	0.22
613.4	1.81	1.78	1.78	1.86	2.49	3.32	550.0	1.53	1.48	1.44	500.00	-202.3	0.29
750.0	1.80	1.78	1.78	2.02	2.64	3.48	600.0	1.63	1.57	1.53	600.00	-206.2	0.41
826.4	1.77	1.75	1.75	2.09	2.69	3.48	650.0	1.68	1.62	1.58	680.00	-224.4	0.95
900.0	1.72	1.69	1.70	2.18	2.79	3.58	700.0	1.82	1.77	1.72	760.00	-208.9	0.84
1000.0	1.61	1.59	1.60	2.26	2.85	3.65	750.0	1.88	1.82	1.78	840.00	-187.2	0.57
1200.0	1.39	1.40	1.45	2.35	2.84	3.60	800.0	2.00	1.96	1.92	920.00	-186.0	1.16
1292.3	1.30	1.34	1.41	2.63	3.11	3.87	850.0	2.11	2.07	2.03	1000.00	-194.2	1.98
1400.0	1.21	1.31	1.42	3.19	3.52	4.20	900.0	2.20	2.18	2.16	1080.00	-197.5	2.53
1450.0	1.19	1.32	1.44	3.49	3.68	4.29	950.0	2.33	2.32	2.30	1160.00	-191.7	3.06
1500.0	1.22	1.38	1.50	3.81	3.90	4.45	1000.0	2.43	2.43	2.42	1200.00	-199.2	3.64

REV. X1
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IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED RoHS compliant

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