

Frequency Mixer

ZFM-4212

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		+7	+7
2000.0	1940.0	5.05	1940.0	25.30	13.60
2043.8	1983.8	5.10	1983.8	25.30	13.50
2187.5	2127.5	5.57	2127.5	23.60	13.90
2331.3	2271.3	5.78	2271.3	24.40	14.00
2475.0	2415.0	5.92	2415.0	26.50	14.60
2618.8	2558.8	5.81	2558.8	27.70	15.90
2762.5	2702.5	5.64	2702.5	28.30	16.20
2906.2	2846.2	5.68	2846.2	28.10	17.20
3000.0	2940.0	5.85	2940.0	28.70	18.20
3050.0	2990.0	5.85	2990.0	28.10	18.50
3193.8	3133.8	5.82	3133.8	27.20	18.70
3337.5	3277.5	5.56	3277.5	26.70	19.20
3481.3	3421.3	5.52	3421.3	27.40	17.90
3625.0	3565.0	5.73	3565.0	27.40	16.50
3768.8	3708.8	6.35	3708.8	27.10	16.00
3912.5	3852.5	6.33	3852.5	28.60	15.60
4000.0	3940.0	6.09	3940.0	29.90	15.50
4056.3	3996.3	5.82	3996.3	30.50	15.40
4066.0	4006.0	5.85	4006.0	30.60	15.30
4119.0	4059.0	5.84	4059.0	30.60	15.20
4200.0	4140.0	5.64	4140.0	30.60	14.70

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RF/LO (MHz)	RF VSWR (:1)	LO VSWR (:1)	IF (MHz)	IF VSWR (:1)
	@LO (dBm)	@LO (dBm)		@LO (dBm)
	+7	+7		+7
1940.0	1.99	6.73	0.1	13.20
1983.8	1.99	6.26	0.3	13.40
2127.5	1.99	5.85	0.6	12.70
2271.3	1.91	6.05	1.6	12.30
2415.0	2.01	6.49	4.0	12.70
2558.8	2.35	6.49	10.0	12.60
2702.5	2.43	6.49	25.1	13.00
2846.2	2.37	6.26	30.0	12.80
2940.0	2.40	6.73	60.0	12.30
2990.0	2.43	7.60	100.0	12.00
3133.8	2.27	8.72	158.5	11.50
3277.5	2.10	8.31	398.1	12.10
3421.3	2.25	8.72	577.0	12.80
3565.0	2.12	5.49	681.0	13.80
3708.8	2.30	4.32	790.0	16.00
3852.5	2.30	4.53	860.0	17.40
3940.0	2.18	4.42	1000.0	21.20
3996.3	1.96	4.32	1090.0	22.00
4006.0	1.91	4.32	1181.9	21.20
4059.0	1.73	4.12	1272.8	19.90
4140.0	1.46	4.32	1300.0	20.00