

Frequency Mixer

MACY-ED12692

Typical Performance Data

RF (MHz)	LO (MHz)	CONVERSION LOSS (dB)			LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			LO (MHz)	RF (MHz)	IP-3 Input (dBm)
		@LO (dBm)				@LO (dBm)			@LO (dBm)					@LO (dBm)
		-3	0	+3		-3	0	+3	-3	0	+3			0
1518.0	1768.0	9.30	9.00	8.95	1768.0	17.3	17.3	19.0	3.7	5.0	7.5	1768.0	1518.0	22.0
1551.3	1801.3	9.77	9.62	9.67	1801.3	18.6	16.7	17.6	4.8	6.6	9.4	1801.3	1551.3	21.9
1584.5	1834.5	9.46	9.32	9.37	1834.5	21.5	19.3	20.1	5.5	7.4	10.4	1834.5	1584.5	23.8
1617.8	1867.8	8.85	8.68	8.73	1867.8	26.6	24.0	25.7	6.6	8.4	11.8	1867.8	1617.8	25.4
1651.0	1901.0	8.30	8.15	8.20	1901.0	25.5	23.7	24.7	8.4	10.5	14.4	1901.0	1651.0	27.1
1684.3	1934.3	7.90	7.76	7.85	1934.3	20.5	18.9	19.6	10.0	12.3	16.4	1934.3	1684.3	28.1
1717.5	1967.5	7.85	7.74	7.78	1967.5	17.4	15.8	16.2	11.6	13.6	17.2	1967.5	1717.5	30.7
1750.8	2000.8	7.84	7.75	7.76	2000.8	14.9	13.8	14.8	14.3	16.7	20.5	2000.8	1750.8	34.4
1784.0	2034.0	7.83	7.75	7.71	2034.0	12.6	13.0	14.5	17.5	21.9	27.0	2034.0	1784.0	35.1
1817.3	2067.3	7.77	7.69	7.63	2067.3	11.8	12.0	13.4	21.7	27.4	33.4	2067.3	1817.3	33.1
1850.5	2100.5	7.52	7.46	7.43	2100.5	11.2	11.5	12.8	21.9	25.5	29.1	2100.5	1850.5	33.1
1883.8	2133.8	7.60	7.55	7.52	2133.8	10.5	11.5	12.9	19.9	23.2	26.4	2133.8	1883.8	36.0
1917.0	2167.0	8.00	7.95	7.92	2167.0	10.4	11.6	13.0	18.3	21.1	23.9	2167.0	1917.0	37.4
1950.3	2200.3	8.36	8.33	8.33	2200.3	10.6	12.1	13.9	17.5	20.1	22.9	2200.3	1950.3	38.2
1983.5	2233.5	8.57	8.55	8.56	2233.5	11.1	12.8	14.7	17.2	19.6	22.3	2233.5	1983.5	35.9
2016.8	2266.8	8.43	8.43	8.44	2266.8	11.8	14.0	16.4	16.9	19.2	21.8	2266.8	2016.8	34.3
2050.0	2300.0	8.17	8.14	8.15	2300.0	12.7	15.3	18.0	17.1	19.5	22.2	2300.0	2050.0	33.3
2078.0	2328.0	8.07	8.06	8.05	2328.0	13.5	16.2	18.9	17.4	20.0	22.8	2328.0	2078.0	31.5
2106.0	2356.0	8.05	8.09	8.10	2356.0	14.1	17.0	19.8	17.5	20.2	23.3	2356.0	2106.0	29.4
2134.0	2384.0	8.06	8.10	8.12	2384.0	14.5	17.6	20.5	17.4	20.5	23.8	2384.0	2134.0	28.0
2162.0	2412.0	8.02	8.06	8.07	2412.0	15.0	18.1	21.2	17.2	20.4	24.1	2412.0	2162.0	26.1
2190.0	2440.0	7.86	7.86	7.86	2440.0	15.6	19.1	22.7	16.6	19.7	23.4	2440.0	2190.0	24.0
2218.0	2468.0	7.76	7.70	7.66	2468.0	16.3	20.1	24.0	16.0	18.8	22.1	2468.0	2218.0	22.7
2246.0	2496.0	7.76	7.64	7.57	2496.0	16.9	20.9	24.2	15.7	18.3	21.1	2496.0	2246.0	21.8
2274.0	2524.0	7.77	7.64	7.56	2524.0	17.3	21.3	24.2	15.3	17.7	20.2	2524.0	2274.0	21.6
2302.0	2552.0	7.83	7.69	7.60	2552.0	17.5	21.6	24.9	14.9	17.0	19.0	2552.0	2302.0	21.5
2330.0	2580.0	7.91	7.75	7.64	2580.0	18.4	22.8	27.2	14.5	16.3	18.2	2580.0	2330.0	21.7
2358.0	2608.0	8.09	7.94	7.82	2608.0	21.9	27.2	31.7	14.5	16.0	17.7	2608.0	2358.0	22.8
2386.0	2636.0	8.54	8.39	8.28	2636.0	28.0	25.4	24.0	14.7	16.0	17.4	2636.0	2386.0	23.6
2414.0	2664.0	9.01	8.91	8.78	2664.0	21.0	19.1	18.7	15.4	16.4	17.6	2664.0	2414.0	24.9
2442.0	2692.0	9.48	9.35	9.21	2692.0	16.9	16.1	16.5	16.0	16.7	17.7	2692.0	2442.0	25.9
2470.0	2720.0	9.73	9.59	9.46	2720.0	15.5	15.4	16.2	16.0	16.6	17.5	2720.0	2470.0	25.7
2498.0	2748.0	9.69	9.58	9.46	2748.0	15.9	16.0	16.9	16.1	16.5	17.2	2748.0	2498.0	25.0

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RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	-3	0	+3	-3	0	+3		-3	0	+3
1768.0	3.62	3.24	3.16	1.38	1.35	1.28	0.3	2.19	2.41	2.44
1801.3	3.05	2.72	2.63	1.37	1.34	1.27	2.8	1.55	1.80	1.82
1834.5	2.80	2.56	2.44	1.39	1.35	1.27	5.3	1.45	1.66	1.71
1867.8	2.81	2.55	2.43	1.33	1.30	1.23	7.8	1.44	1.58	1.64
1901.0	2.46	2.30	2.20	1.37	1.32	1.24	10.3	1.52	1.72	1.79
1934.3	2.48	2.34	2.28	1.36	1.31	1.27	15.0	1.55	1.75	1.87
1967.5	2.33	2.25	2.21	1.36	1.30	1.30	45.0	1.51	1.65	1.72
2000.8	2.26	2.21	2.19	1.37	1.32	1.35	75.0	1.46	1.60	1.65
2034.0	2.36	2.34	2.32	1.29	1.27	1.32	105.0	1.47	1.57	1.64
2067.3	2.21	2.20	2.20	1.25	1.26	1.34	135.0	1.52	1.60	1.66
2100.5	2.27	2.27	2.27	1.18	1.23	1.33	165.0	1.62	1.68	1.72
2133.8	2.24	2.26	2.26	1.14	1.21	1.30	195.0	1.79	1.83	1.85
2167.0	2.23	2.26	2.26	1.16	1.22	1.30	225.0	1.94	1.96	1.97
2200.3	2.39	2.44	2.45	1.18	1.21	1.27	255.0	2.06	2.07	2.07
2233.5	2.30	2.35	2.36	1.24	1.24	1.26	285.0	2.19	2.19	2.18
2266.8	2.36	2.43	2.45	1.30	1.27	1.27	315.0	2.31	2.31	2.29
2300.0	2.30	2.38	2.43	1.35	1.30	1.27	345.0	2.45	2.44	2.43
2328.0	2.12	2.20	2.25	1.44	1.38	1.33	375.0	2.51	2.52	2.51
2356.0	2.05	2.15	2.22	1.50	1.44	1.37	405.0	2.57	2.58	2.59
2384.0	1.92	2.03	2.12	1.53	1.48	1.40	435.0	2.58	2.60	2.61
2412.0	1.74	1.84	1.93	1.64	1.59	1.48	465.0	2.56	2.59	2.60
2440.0	1.62	1.72	1.82	1.70	1.64	1.54	507.0	2.54	2.57	2.58
2468.0	1.47	1.58	1.68	1.70	1.64	1.55	549.0	2.51	2.52	2.54
2496.0	1.34	1.46	1.57	1.82	1.74	1.63	591.0	2.47	2.47	2.47
2524.0	1.30	1.42	1.54	1.88	1.78	1.66	633.0	2.35	2.34	2.33
2552.0	1.29	1.39	1.49	1.86	1.76	1.64	717.0	2.27	2.22	2.19
2580.0	1.34	1.41	1.48	2.00	1.86	1.69	801.0	2.10	2.08	2.08
2608.0	1.48	1.53	1.58	2.08	1.92	1.71	885.0	2.02	1.96	1.93
2636.0	1.65	1.70	1.74	2.03	1.88	1.70	969.0	1.75	1.69	1.64
2664.0	1.84	1.88	1.92	2.19	2.01	1.78	1053.0	1.61	1.55	1.54
2692.0	2.08	2.12	2.17	2.29	2.10	1.84	1137.0	1.72	1.64	1.62
2720.0	2.27	2.31	2.35	2.20	2.03	1.80	1221.0	1.73	1.68	1.67
2748.0	2.41	2.43	2.45	2.37	2.16	1.90	1305.0	1.94	1.86	1.84