

Frequency Mixer

JYM-ED9655/1

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
1510.0	1509.0	7.70	6.76	6.34	1420.0	31.9	34.6	38.0	31.2	31.8	32.1
1530.0	1527.0	6.44	5.73	5.47	1430.0	32.3	35.2	38.6	31.6	32.2	32.5
1550.0	1545.0	6.63	5.95	5.68	1440.0	33.0	35.9	39.2	31.7	32.4	32.8
1570.0	1563.0	6.72	6.10	5.86	1440.0	31.2	33.8	36.7	30.9	31.5	31.8
1590.0	1581.0	6.76	6.15	5.91	1450.0	33.6	36.3	39.1	32.1	32.7	33.1
1610.0	1600.0	6.70	6.08	5.87	1460.0	34.3	36.6	39.3	32.0	32.7	33.2
1625.0	1600.0	6.69	6.07	5.86	1460.0	30.8	33.2	35.8	30.7	31.3	31.6
1640.0	1600.0	6.86	6.16	5.92	1470.0	34.5	36.7	39.4	32.3	32.9	33.5
1655.0	1600.0	6.57	5.98	5.80	1480.0	34.9	37.6	40.4	32.2	32.9	33.5
1685.0	1600.0	6.75	6.09	5.83	1490.0	35.2	38.0	41.1	32.2	32.9	33.5
1700.0	1600.0	6.58	5.96	5.78	1500.0	35.4	38.5	41.7	32.4	33.2	33.9
1740.0	1590.0	6.86	6.18	5.94	1502.5	30.4	32.5	34.4	30.0	30.6	30.7
1780.0	1580.0	6.87	6.23	6.02	1509.0	50.5	45.2	39.5	32.4	32.0	31.6
1820.0	1570.0	6.87	6.25	6.09	1510.0	35.8	39.1	42.4	32.7	33.4	34.0
1860.0	1560.0	7.07	6.48	6.29	1520.0	36.2	40.0	43.5	32.9	33.5	34.1
1900.0	1550.0	7.23	6.55	6.33	1527.0	47.8	47.9	40.7	32.5	32.2	31.9
1940.0	1540.0	7.53	6.91	6.68	1530.0	36.7	40.9	44.4	33.1	33.6	34.1
1980.0	1530.0	7.77	7.11	6.80	1540.0	37.4	41.9	45.1	33.1	33.6	34.1
2020.0	1520.0	7.72	7.13	6.87	1545.0	45.6	50.2	41.3	32.9	32.5	32.2
2060.0	1510.0	7.98	7.32	7.00	1545.0	31.7	33.7	35.2	29.3	29.7	29.6
2100.0	1500.0	8.07	7.49	7.25	1550.0	37.7	42.3	45.4	33.3	33.5	34.1
2140.0	1490.0	8.11	7.66	7.41	1560.0	38.2	42.8	46.2	33.0	33.3	33.9
2180.0	1480.0	8.07	7.67	7.50	1563.0	45.1	50.2	41.6	33.1	32.7	32.4
2220.0	1470.0	8.14	7.82	7.62	1570.0	39.1	44.2	47.2	33.1	33.4	33.6
2260.0	1460.0	8.42	8.09	7.83	1580.0	40.0	44.3	45.8	33.0	33.3	33.6
2300.0	1450.0	8.53	8.09	7.80	1581.0	43.8	49.6	42.2	32.9	32.6	32.5
2340.0	1440.0	8.25	7.72	7.40	1587.5	32.8	34.8	35.7	29.0	29.2	29.0
2380.0	1430.0	8.14	7.57	7.19	1590.0	40.6	44.5	44.1	33.2	33.2	33.4
2420.0	1420.0	8.02	7.49	7.13	1600.0	42.4	48.2	42.7	33.1	32.9	33.0
2460.0	1440.0	8.20	7.66	7.30	1600.0	41.9	47.0	42.6	33.3	33.1	33.1
2500.0	1460.0	8.48	7.94	7.54	1600.0	41.4	46.0	42.3	33.4	33.1	33.2
2562.5	1502.5	8.57	8.00	7.59	1600.0	41.3	45.1	42.0	33.5	33.3	33.3
2625.0	1545.0	8.64	8.04	7.61	1600.0	41.0	44.4	42.2	33.4	33.4	33.6
2687.5	1587.5	8.91	8.31	7.81	1600.0	40.9	44.5	42.7	33.3	33.3	33.5
2750.0	1630.0	8.82	8.19	7.69	1630.0	33.2	35.0	35.5	29.2	29.2	29.0
2812.5	1672.5	8.48	7.85	7.31	1672.5	33.4	34.7	34.9	29.4	29.3	29.3
2875.0	1715.0	8.47	7.89	7.37	1715.0	32.2	33.4	33.7	29.7	29.7	29.6
2937.5	1757.5	8.22	7.71	7.26	1757.5	30.7	31.8	32.1	29.7	29.8	29.7
3000.0	1800.0	8.45	7.94	7.46	1800.0	29.3	30.6	31.1	29.9	30.0	30.0

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Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+14	+17	+20	+14	+17	+20		+14	+17	+20
1510.0	2.02	1.83	1.76	1.92	1.29	1.44	1.0	1.89	2.13	2.21
1530.0	2.26	2.03	1.90	1.96	1.31	1.44	3.0	1.42	1.39	1.38
1550.0	2.39	2.11	1.96	2.10	1.34	1.46	5.0	1.33	1.23	1.22
1570.0	2.35	2.09	1.94	2.07	1.34	1.50	7.0	1.29	1.17	1.17
1590.0	2.30	2.04	1.89	2.00	1.32	1.47	9.0	1.27	1.14	1.15
1610.0	2.30	2.04	1.89	1.99	1.31	1.43	10.0	1.28	1.13	1.12
1625.0	2.29	2.02	1.88	2.03	1.33	1.43	25.0	1.28	1.11	1.09
1640.0	2.32	2.04	1.90	2.14	1.35	1.45	40.0	1.32	1.12	1.07
1655.0	2.27	2.02	1.90	2.12	1.34	1.45	55.0	1.32	1.11	1.07
1685.0	2.28	2.06	1.95	2.04	1.32	1.38	70.0	1.33	1.12	1.07
1700.0	2.27	2.05	1.93	2.05	1.33	1.36	85.0	1.32	1.11	1.10
1740.0	2.31	2.12	1.99	2.12	1.34	1.38	100.0	1.29	1.12	1.17
1780.0	2.37	2.17	2.05	2.02	1.30	1.30	150.0	1.27	1.15	1.23
1820.0	2.54	2.31	2.19	2.09	1.30	1.31	200.0	1.27	1.16	1.26
1860.0	2.56	2.34	2.21	1.95	1.26	1.24	250.0	1.28	1.20	1.33
1900.0	2.80	2.56	2.41	2.06	1.25	1.23	300.0	1.31	1.28	1.44
1940.0	2.95	2.68	2.49	1.97	1.22	1.20	350.0	1.38	1.38	1.54
1980.0	3.06	2.77	2.57	2.02	1.21	1.22	400.0	1.47	1.45	1.60
2020.0	3.19	2.90	2.66	1.94	1.20	1.22	450.0	1.48	1.51	1.64
2060.0	3.29	2.97	2.71	1.96	1.20	1.25	500.0	1.55	1.61	1.76
2100.0	3.38	3.08	2.82	1.98	1.22	1.30	550.0	1.63	1.74	1.88
2140.0	3.50	3.16	2.87	1.99	1.27	1.31	600.0	1.71	1.86	2.03
2180.0	3.57	3.21	2.91	2.02	1.30	1.38	650.0	1.95	2.19	2.37
2220.0	3.65	3.24	2.93	1.94	1.31	1.38	700.0	2.06	2.26	2.40
2260.0	3.68	3.27	2.97	1.99	1.35	1.45	750.0	2.06	2.18	2.25
2300.0	3.84	3.35	3.03	1.97	1.35	1.45	800.0	1.93	2.01	2.05
2340.0	3.67	3.24	2.95	2.00	1.39	1.53	850.0	1.87	1.92	1.97
2380.0	3.81	3.36	3.05	1.92	1.40	1.53	900.0	1.74	1.82	1.91
2420.0	3.89	3.42	3.11	1.92	1.43	1.60	950.0	1.59	1.67	1.76
2460.0	3.80	3.37	3.09	1.89	1.46	1.64	1000.0	1.53	1.60	1.68
2500.0	3.95	3.56	3.26	1.84	1.51	1.71	1020.0	1.52	1.58	1.65
2562.5	4.03	3.60	3.31	1.81	1.56	1.81	1040.0	1.50	1.50	1.54
2625.0	4.33	3.84	3.50	1.84	1.73	2.11	1060.0	1.42	1.37	1.38
2687.5	4.28	3.82	3.45	1.87	1.91	2.45	1080.0	1.42	1.29	1.23
2750.0	4.37	3.90	3.54	1.85	2.03	2.60	1100.0	1.38	1.19	1.07
2812.5	4.13	3.73	3.35	1.82	2.09	2.68	1120.0	1.32	1.16	1.06
2875.0	4.29	3.86	3.47	1.82	2.22	2.84	1140.0	1.31	1.18	1.16
2937.5	4.04	3.60	3.20	1.79	2.30	2.92	1160.0	1.36	1.29	1.31
3000.0	4.21	3.73	3.24	1.76	2.27	2.87	1200.0	1.40	1.39	1.45