

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS (dB)			LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			RF (IN) (MHz)	LO (MHz)	IP-3 Input (dBm)		
		@LO (dBm)				@LO (dBm)			@LO (dBm)					@LO (dBm)		
		+17	+20	+23		+17	+20	+23	+17	+20	+23			+17	+20	+23
61.5	39.0	10.04	9.59	9.37	39.0	71.25	72.85	74.82	84.21	84.59	80.48	61.50	39.00	15.34	18.68	20.37
73.0	48.0	9.23	8.85	8.60	48.0	68.57	70.26	72.64	75.81	76.52	76.03	73.00	48.00	16.62	19.01	21.68
84.5	57.0	8.63	8.31	8.05	57.0	65.81	67.09	68.32	69.60	70.24	71.14	84.50	57.00	13.13	16.01	20.68
96.0	66.0	8.22	7.91	7.68	66.0	63.20	64.21	64.52	65.12	65.55	66.25	96.00	66.00	18.83	21.02	23.68
107.5	75.0	7.91	7.61	7.39	75.0	60.98	61.83	61.82	61.72	61.97	62.35	107.50	75.00	19.20	20.82	23.32
119.0	84.0	7.62	7.34	7.15	84.0	59.22	59.94	59.93	59.12	59.31	59.56	119.00	84.00	19.39	21.13	23.28
130.5	93.0	7.41	7.12	6.95	93.0	57.91	58.55	58.77	57.18	57.42	57.70	130.50	93.00	19.46	21.22	22.26
142.0	102.0	7.21	6.93	6.75	102.0	56.90	57.45	57.96	55.66	55.82	56.27	142.00	102.00	20.28	22.41	22.40
153.5	111.0	7.02	6.76	6.57	111.0	56.05	56.55	57.46	54.39	54.49	55.15	153.50	111.00	20.80	22.43	24.12
165.0	120.0	6.96	6.71	6.52	120.0	55.26	55.72	56.76	53.26	53.36	53.98	165.00	120.00	21.32	23.17	24.90
256.8	194.0	6.75	6.60	6.50	194.0	50.72	50.90	51.24	47.48	47.48	47.71	256.75	194.00	23.02	25.05	27.33
348.5	268.0	6.45	6.27	6.15	268.0	48.56	48.66	48.74	45.22	45.20	45.23	348.50	268.00	25.18	27.28	29.20
440.3	342.0	6.06	5.92	5.82	342.0	49.74	49.98	50.08	45.93	45.91	45.82	440.25	342.00	26.22	28.39	30.49
532.0	416.0	6.33	6.15	6.01	416.0	51.15	51.54	51.82	47.17	47.11	47.01	532.00	416.00	27.60	30.08	32.24
623.8	490.0	6.35	6.21	6.12	490.0	52.28	52.78	53.21	49.40	49.23	49.07	623.75	490.00	26.79	29.40	31.71
715.5	564.0	6.50	6.29	6.14	564.0	53.96	54.61	54.96	53.34	53.00	53.00	715.50	564.00	27.34	29.49	31.63
807.3	638.0	6.48	6.32	6.20	638.0	56.66	57.30	57.67	58.62	57.55	56.96	807.25	638.00	26.72	29.04	31.30
899.0	712.0	7.09	6.90	6.77	712.0	61.40	62.36	63.39	80.13	86.36	75.19	899.00	712.00	27.00	29.17	31.44
990.8	786.0	7.03	6.86	6.72	786.0	68.01	69.75	71.52	57.51	57.92	58.41	990.75	786.00	28.60	31.22	33.71
1082.5	860.0	7.52	7.31	7.18	860.0	69.46	70.27	69.82	56.27	56.60	56.91	1082.50	860.00	28.12	30.77	33.46
1174.3	934.0	7.67	7.52	7.42	934.0	64.57	65.21	65.44	53.39	53.73	54.13	1174.25	934.00	27.04	29.87	32.65
1266.0	1008.0	7.64	7.44	7.31	1008.0	60.47	60.79	60.83	49.69	49.85	49.99	1266.00	1008.00	25.96	28.57	31.34
1357.8	1082.0	7.80	7.63	7.51	1082.0	56.86	57.01	57.21	46.25	46.34	46.44	1357.75	1082.00	26.72	29.80	32.89
1449.5	1156.0	7.65	7.46	7.33	1156.0	61.42	63.55	66.91	50.23	50.80	51.47	1449.50	1156.00	25.57	28.55	32.02
1541.3	1230.0	8.02	7.84	7.73	1230.0	59.04	59.89	60.97	61.78	62.97	64.08	1541.25	1230.00	26.22	29.45	32.98
1633.0	1304.0	7.76	7.55	7.40	1304.0	54.86	54.98	55.11	66.30	65.47	64.00	1633.00	1304.00	26.37	29.56	33.07
1724.8	1378.0	8.27	8.10	7.99	1378.0	52.31	52.30	52.23	56.67	55.85	55.28	1724.75	1378.00	26.60	29.95	33.63
1816.5	1452.0	8.05	7.88	7.75	1452.0	51.62	51.50	51.21	52.63	51.96	51.57	1816.50	1452.00	27.17	30.53	34.50
1908.3	1526.0	8.11	7.92	7.79	1526.0	50.07	49.76	49.28	51.13	50.60	50.24	1908.25	1526.00	28.34	31.84	35.69
2000.0	1600.0	8.25	8.05	7.93	1600.0	49.60	49.10	48.37	51.18	50.48	49.95	2000.00	1600.00	27.39	30.83	34.39
2080.0	1665.0	8.43	8.24	8.11	1665.0	51.05	50.48	49.65	51.50	50.68	49.95	2080.00	1665.00	27.44	31.11	34.67
2160.0	1730.0	8.52	8.30	8.14	1730.0	53.49	52.94	52.22	52.82	52.17	51.62	2160.00	1730.00	28.74	31.90	34.92
2240.0	1795.0	8.44	8.23	8.08	1795.0	58.12	57.91	57.39	53.06	53.67	54.25	2240.00	1795.00	28.27	31.43	34.58
2320.0	1860.0	8.90	8.69	8.56	1860.0	65.03	65.90	66.02	49.31	49.87	50.62	2320.00	1860.00	27.72	30.74	33.89
2400.0	1925.0	9.05	8.84	8.70	1925.0	71.03	75.15	80.33	46.59	46.93	47.39	2400.00	1925.00	27.28	30.47	33.69
2480.0	1990.0	9.00	8.75	8.58	1990.0	64.21	64.03	64.05	44.90	45.11	45.37	2480.00	1990.00	26.29	29.56	33.00
2560.0	2055.0	9.34	9.09	8.94	2055.0	63.15	62.99	63.32	43.88	44.11	44.33	2560.00	2055.00	25.39	28.69	32.53
2640.0	2120.0	9.70	9.47	9.34	2120.0	62.46	61.82	61.79	43.16	43.38	43.58	2640.00	2120.00	24.60	28.03	31.90
2720.0	2185.0	9.78	9.50	9.31	2185.0	58.76	57.79	57.27	42.39	42.60	42.81	2720.00	2185.00	23.39	26.61	30.18
2800.0	2250.0	10.85	10.68	10.58	2250.0	58.85	57.99	57.30	41.76	41.99	42.20	2800.00	2250.00	23.51	26.80	30.98

Frequency Mixer

LAVI-ED12677

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+17	+20	+23		+17	+20	+23		+17	+20	+23
61.5	39.0	1.22	1.28	1.32	39.0	3.03	3.03	3.18	22.5	5.13	5.09	5.02
73.0	48.0	1.20	1.25	1.29	48.0	3.12	3.11	3.44	25.0	4.53	4.47	4.41
84.5	57.0	1.18	1.22	1.26	57.0	3.16	3.13	3.51	27.5	4.04	3.99	3.93
96.0	66.0	1.16	1.20	1.24	66.0	3.13	3.10	3.33	30.0	3.66	3.61	3.55
107.5	75.0	1.14	1.19	1.23	75.0	3.05	3.04	3.03	32.5	3.34	3.30	3.25
119.0	84.0	1.13	1.17	1.21	84.0	2.96	2.98	2.77	35.0	3.09	3.05	3.01
130.5	93.0	1.11	1.16	1.20	93.0	2.93	2.96	2.65	37.5	2.88	2.84	2.81
142.0	102.0	1.10	1.14	1.18	102.0	2.98	3.01	2.70	40.0	2.70	2.67	2.65
153.5	111.0	1.10	1.14	1.16	111.0	3.12	3.14	2.98	42.5	2.55	2.52	2.51
165.0	120.0	1.10	1.14	1.16	120.0	3.33	3.32	3.52	45.0	2.41	2.40	2.38
256.8	194.0	1.21	1.22	1.24	194.0	3.38	3.40	3.16	62.8	1.84	1.84	1.85
348.5	268.0	1.30	1.31	1.32	268.0	3.46	3.48	3.08	80.5	1.58	1.61	1.63
440.3	342.0	1.37	1.37	1.37	342.0	3.69	3.69	3.45	98.3	1.47	1.51	1.55
532.0	416.0	1.48	1.46	1.44	416.0	3.73	3.74	3.87	116.0	1.42	1.47	1.51
623.8	490.0	1.65	1.62	1.59	490.0	3.39	3.40	3.56	133.8	1.40	1.45	1.50
715.5	564.0	1.86	1.83	1.80	564.0	3.04	3.04	2.91	151.5	1.38	1.44	1.49
807.3	638.0	2.05	2.01	1.98	638.0	3.00	3.00	2.81	169.3	1.38	1.44	1.50
899.0	712.0	2.18	2.14	2.10	712.0	3.05	3.05	3.03	187.0	1.39	1.45	1.51
990.8	786.0	2.27	2.22	2.18	786.0	2.79	2.80	2.94	204.8	1.40	1.47	1.53
1082.5	860.0	2.35	2.31	2.27	860.0	2.40	2.39	2.53	222.5	1.41	1.48	1.56
1174.3	934.0	2.38	2.33	2.30	934.0	2.14	2.14	2.15	240.3	1.41	1.49	1.56
1266.0	1008.0	2.32	2.28	2.25	1008.0	2.08	2.08	2.07	258.0	1.41	1.48	1.56
1357.8	1082.0	2.19	2.14	2.10	1082.0	2.09	2.09	2.12	275.8	1.40	1.47	1.54
1449.5	1156.0	2.06	2.01	1.98	1156.0	2.02	2.02	2.05	293.5	1.41	1.49	1.56
1541.3	1230.0	1.93	1.89	1.85	1230.0	1.90	1.90	1.91	311.3	1.42	1.51	1.58
1633.0	1304.0	1.80	1.76	1.72	1304.0	1.83	1.84	1.85	329.0	1.42	1.51	1.59
1724.8	1378.0	1.68	1.64	1.61	1378.0	1.92	1.93	1.93	346.8	1.41	1.49	1.57
1816.5	1452.0	1.59	1.55	1.51	1452.0	2.16	2.18	2.23	364.5	1.39	1.47	1.55
1908.3	1526.0	1.53	1.49	1.45	1526.0	2.49	2.51	2.60	382.3	1.39	1.48	1.56
2000.0	1600.0	1.50	1.44	1.40	1600.0	2.75	2.76	2.83	400.0	1.39	1.48	1.57
2080.0	1665.0	1.47	1.41	1.36	1665.0	2.70	2.70	2.75	415.0	1.36	1.46	1.54
2160.0	1730.0	1.43	1.37	1.32	1730.0	2.98	2.99	2.99	430.0	1.34	1.43	1.51
2240.0	1795.0	1.41	1.36	1.30	1795.0	3.15	3.17	3.28	445.0	1.29	1.38	1.46
2320.0	1860.0	1.41	1.35	1.30	1860.0	2.87	2.88	2.92	460.0	1.24	1.32	1.40
2400.0	1925.0	1.40	1.34	1.30	1925.0	2.67	2.67	2.67	475.0	1.20	1.28	1.36
2480.0	1990.0	1.39	1.35	1.31	1990.0	2.62	2.62	2.70	490.0	1.17	1.25	1.33
2560.0	2055.0	1.40	1.36	1.34	2055.0	2.40	2.40	2.40	505.0	1.12	1.20	1.28
2640.0	2120.0	1.41	1.39	1.38	2120.0	2.21	2.21	2.25	520.0	1.07	1.14	1.21
2720.0	2185.0	1.43	1.42	1.43	2185.0	2.18	2.19	2.17	535.0	1.04	1.09	1.15
2800.0	2250.0	1.45	1.47	1.49	2250.0	2.17	2.17	2.20	550.0	1.06	1.05	1.10

