Frequency Mixer TUF-860LHSM

Typical Performance Data

RF (MHz)	LO (MHz)	CONVERSION LOSS (dB) @LO (dBm)		
		+7	+10	+13
800.0	770.0	5.36	5.19	5.03
819.7	789.7	5.43	5.24	5.07
839.5	809.5	5.56	5.32	5.09
846.1	816.1	5.59	5.32	5.08
859.2	829.2	5.59	5.29	5.01
879.0	848.9	5.70	5.21	4.94
892.1	862.1	5.65	5.13	4.88
898.7	868.7	5.67	5.14	4.88
918.4	88.4	5.74	5.24	4.98
938.2	908.2	5.82	5.35	5.09
944.7	914.7	5.85	5.39	5.14
957.9	927.9	6.03	5.50	5.28
977.6	947.6	6.11	5.57	5.33
990.8	960.8	6.26	5.59	5.34
997.4	967.4	6.31	5.71	5.34
1000.0	970.0	6.37	5.71	5.34
1017.1	987.1	6.72	5.87	5.42
1036.8	1006.8	7.11	6.03	5.47
1043.4	1013.4	7.18	6.07	5.49
1050.0	1020.0	7.23	6.09	5.49

LO (MHz)	LO-RF ISOLATION (dB) @LO (dBm)			LO-IF ISOLATION (dB) @LO (dBm)		
	+7	+10	+13	+7	+10	+13
800.0	40.9	42.2	41.8	30.2	32.6	34.9
819.7	40.1	41.4	40.7	29.2	31.7	34.0
839.5	38.6	39.9	39.4	28.3	31.0	33.2
846.1	38.0	39.4	38.9	27.9	30.7	33.0
859.2	36.8	38.3	38.1	27.5	30.2	32.4
879.0	35.3	36.8	36.9	26.7	29.6	31.9
892.1	34.4	35.9	36.2	26.3	29.1	31.4
898.7	34.0	35.4	35.7	26.1	28.8	31.3
918.4	33.0	34.3	34.5	25.6	28.0	30.6
938.2	32.2	33.6	33.8	25.0	27.4	29.9
944.7	32.0	33.3	33.5	24.9	27.1	29.6
957.9	31.5	32.8	33.1	24.7	26.5	29.0
977.6	30.6	32.0	32.4	24.1	25.9	28.2
990.8	30.2	31.6	31.9	23.8	25.5	27.7
997.4	29.9	31.4	31.7	23.7	25.3	27.4
1000.0	29.8	31.3	31.6	23.6	25.1	27.3
1017.1	29.4	30.7	31.0	23.4	24.5	26.6
1036.8	29.0	30.4	30.8	23.0	23.8	25.7
1043.4	28.9	30.2	30.6	22.9	23.7	25.4
1050.0	28.9	30.2	30.6	22.8	23.5	25.2

Typical Performance Data

RF/LO (MHz)	RF VSWR (:1) @LO (dBm)			LO VSWR (:1) @LO (dBm)			IF (MHz)	IF VSWR (:1) @LO (dBm)			LO/RF (MHz) @LO (dBm)	max. DC output (mV)	DC Offset (mV)
	+7	+10	+13	+7	+10	+13		+7	+10	+13	+10		
800.0	1.14	1.04	1.03	1.81	2.33	3.16	1.0	1.99	1.67	1.51	800.0	-320.1	1.05
818.8	1.16	1.06	1.03	1.83	2.33	3.15	2.0	1.99	1.67	1.51	819.7	-307.3	1.57
838.8	1.19	1.09	1.06	1.91	2.39	3.18	5.0	1.99	1.68	1.51	839.5	-295.5	2.02
845.0	1.20	1.11	1.08	1.90	2.37	3.15	10.0	2.00	1.68	1.51	846.1	-289.4	2.16
857.5	1.23	1.14	1.10	1.92	2.39	3.17	20.0	2.02	1.69	1.52	859.2	-282.7	2.50
877.5	1.28	1.19	1.15	1.97	2.46	3.24	40.0	2.03	1.70	1.53	879.0	-279.4	2.76
890.0	1.32	1.24	1.19	2.00	2.47	3.24	50.0	2.04	1.71	1.53	892.1	-279.3	2.73
896.3	1.34	1.25	1.21	2.02	2.50	3.27	67.0	2.05	1.72	1.55	898.7	-279.2	2.64
915.0	1.39	1.30	1.27	2.03	2.51	3.29	86.0	2.06	1.74	1.57	918.4	-289.2	2.55
935.0	1.46	1.39	1.33	2.06	2.52	3.27	100.0	2.08	1.75	1.58	938.2	-295.7	2.66
941.3	1.49	1.40	1.35	2.06	2.52	3.28	112.0	2.10	1.76	1.60	944.7	-294.7	2.68
953.8	1.52	1.44	1.40	2.07	2.55	3.34	125.0	2.12	1.78	1.61	957.9	-285.8	2.79
972.5	1.60	1.51	1.48	2.10	2.57	3.34	139.0	2.13	1.80	1.63	977.6	-274.8	2.93
986.3	1.66	1.58	1.53	2.11	2.57	3.33	158.0	2.15	1.82	1.66	990.8	-269.9	3.07
992.5	1.68	1.60	1.56	2.13	2.59	3.35	175.0	2.17	1.84	1.69	997.4	-269.7	3.37
1000.0	1.72	1.64	1.59	2.13	2.57	3.33	198.0	2.20	1.88	1.72	1000.0	-269.0	3.39
1017.5	1.82	1.72	1.68	2.13	2.54	3.26	217.0	2.24	1.91	1.75	1017.1	-270.0	3.87
1037.5	1.90	1.81	1.77	2.16	2.57	3.32	237.0	2.28	1.95	1.79	1036.8	-271.2	4.38
1043.8	1.94	1.84	1.80	2.16	2.57	3.32	243.0	2.29	1.96	1.80	1043.4	-271.0	4.44
1050.0	1.96	1.86	1.83	2.17	2.59	3.35	250.0	2.31	1.97	1.81	1050.0	-276.5	4.35