

Frequency Mixer

SYM-ED7363/3

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
4.0	34.0	6.98	6.48	6.14	34.0	43.3	50.8	59.7	33.0	35.5	38.0
5.0	35.0	6.85	6.18	6.01	35.0	43.5	51.3	60.2	32.8	35.7	38.2
10.0	40.0	6.51	6.01	5.84	40.0	45.7	54.2	64.7	33.5	36.2	39.0
20.0	50.0	6.30	5.97	5.64	50.0	47.8	57.5	68.2	34.5	37.7	40.7
40.0	70.0	6.13	5.80	5.63	70.0	57.7	67.2	59.7	36.0	39.8	43.3
70.0	100.0	6.16	5.66	5.49	100.0	57.3	53.5	52.7	37.8	42.3	47.0
116.3	146.3	6.13	5.63	5.46	146.3	48.7	48.3	49.2	39.2	44.3	48.5
232.0	262.0	6.29	5.78	5.62	262.0	40.7	42.5	44.0	41.0	44.0	43.3
347.8	377.8	6.48	5.81	5.65	377.8	40.2	41.5	41.7	41.8	41.0	40.0
463.6	493.6	6.46	5.96	5.79	493.6	40.0	39.8	39.7	38.3	37.2	36.8
579.3	609.3	6.60	6.10	5.93	609.3	39.5	39.2	38.7	35.5	35.0	35.0
695.1	725.1	6.78	6.28	6.12	725.1	37.0	36.7	36.8	33.5	33.8	34.3
810.8	840.8	7.17	6.51	6.34	840.8	37.8	35.8	35.3	33.3	33.0	33.0
824.0	854.0	7.10	6.43	6.27	854.0	37.5	35.5	35.2	33.3	32.8	32.8
926.6	956.6	7.45	6.61	6.45	956.6	36.5	34.2	34.0	32.7	32.3	32.3
970.0	1000.0	7.72	6.71	6.55	1000.0	35.8	33.2	32.8	32.5	32.0	31.5
1000.0	1030.0	7.48	6.65	6.48	1030.0	35.7	33.0	32.8	32.3	31.8	31.5
1042.4	1072.4	7.40	6.74	6.41	1072.4	33.8	32.7	33.2	31.8	31.5	31.3
1158.1	1188.1	7.68	6.84	6.51	1188.1	32.5	32.5	32.8	30.8	30.7	29.8
1273.9	1303.9	7.74	7.07	6.74	1303.9	32.8	33.2	33.3	29.5	29.2	28.5
1389.7	1419.7	8.44	7.61	7.28	1419.7	34.8	35.8	34.3	27.2	26.3	25.7
1505.4	1535.4	9.04	8.04	7.54	1535.4	35.2	37.8	35.7	25.2	24.5	24.3
1621.2	1651.2	9.38	8.54	8.05	1651.2	31.2	34.5	36.0	23.7	23.5	23.5
1736.9	1766.9	9.92	8.76	8.26	1766.9	29.5	32.0	34.3	23.2	22.5	22.3
1852.7	1882.7	10.29	9.29	8.62	1882.7	29.3	30.8	32.8	22.5	21.8	21.7
1968.5	1998.5	10.69	9.69	9.02	1998.5	28.0	29.5	31.2	21.8	21.0	20.5
2084.2	2114.2	10.66	9.82	9.33	2114.2	26.7	28.0	29.8	21.3	20.0	19.5
2200.0	2230.0	10.45	9.79	9.29	2230.0	25.2	26.8	28.2	20.8	19.7	19.2

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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
34.0	1.88	1.78	1.74	1.13	1.56	2.37	10.0	1.21	1.25	1.37
35.0	1.69	1.61	1.56	1.14	1.59	2.37	40.0	1.20	1.13	1.27
40.0	1.43	1.31	1.28	1.12	1.58	2.46	52.5	1.19	1.12	1.25
50.0	1.37	1.23	1.16	1.07	1.59	2.46	60.0	1.21	1.11	1.26
70.0	1.39	1.22	1.12	1.05	1.58	2.41	82.0	1.20	1.10	1.24
100.0	1.39	1.23	1.13	1.07	1.56	2.24	100.0	1.20	1.10	1.23
146.3	1.46	1.28	1.18	1.11	1.59	2.41	104.8	1.21	1.09	1.22
262.0	1.67	1.46	1.34	1.20	1.55	2.37	150.0	1.21	1.08	1.20
377.8	1.78	1.58	1.47	1.29	1.37	1.92	157.2	1.21	1.08	1.20
493.6	1.92	1.69	1.59	1.55	1.34	1.95	200.0	1.22	1.06	1.18
609.3	2.13	1.87	1.76	1.78	1.30	1.78	209.6	1.22	1.06	1.18
725.1	2.20	1.98	1.88	1.81	1.20	1.41	250.0	1.22	1.05	1.17
840.8	2.24	1.98	1.85	2.17	1.23	1.33	261.9	1.23	1.05	1.17
854.0	2.28	2.01	1.85	2.37	1.23	1.36	314.3	1.21	1.06	1.17
956.6	2.37	2.07	1.95	2.32	1.23	1.25	366.6	1.20	1.06	1.17
1000.0	2.36	2.04	1.90	1.95	1.19	1.26	400.0	1.21	1.05	1.16
1030.0	2.24	1.90	1.78	2.10	1.26	1.31	419.0	1.22	1.05	1.16
1072.4	2.07	1.78	1.67	1.95	1.22	1.33	471.4	1.24	1.04	1.14
1188.1	1.83	1.59	1.49	1.85	1.23	1.46	523.7	1.25	1.03	1.13
1303.9	1.62	1.48	1.40	1.67	1.34	1.67	576.1	1.26	1.03	1.10
1419.7	1.44	1.30	1.25	1.59	1.50	2.01	628.5	1.28	1.04	1.08
1535.4	1.29	1.19	1.15	1.40	1.37	1.71	680.8	1.30	1.05	1.07
1651.2	1.25	1.16	1.11	1.34	1.40	1.78	733.2	1.31	1.08	1.07
1766.9	1.39	1.29	1.26	1.34	1.65	2.20	785.5	1.34	1.11	1.11
1882.7	1.64	1.58	1.54	1.26	1.55	2.01	837.9	1.36	1.15	1.15
1998.5	1.90	1.88	1.83	1.27	1.65	2.10	890.3	1.40	1.20	1.19
2114.2	2.28	2.20	2.17	1.31	1.83	2.28	942.6	1.44	1.25	1.25
2230.0	2.67	2.61	2.56	1.34	1.74	2.10	995.0	1.55	1.44	1.45