

Frequency Mixer

SYM-ED6440/3

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
1050.0	1080.0	6.19	5.49	5.09	1080.0	32.2	33.8	35.3	23.4	23.8	23.8
1095.2	1125.2	6.37	5.47	5.07	1125.2	32.3	33.3	34.7	25.7	25.6	25.2
1214.3	1244.3	6.25	5.65	5.35	1244.3	31.8	33.7	34.8	29.7	29.4	29.0
1333.3	1363.3	6.44	6.04	5.84	1363.3	31.9	34.6	36.1	32.7	32.3	31.3
1452.4	1482.4	6.00	5.70	5.60	1482.4	30.8	33.6	35.7	35.6	35.0	34.2
1571.4	1601.4	5.84	5.44	5.44	1601.4	31.1	34.4	36.3	37.6	37.1	36.1
1690.5	1720.5	6.40	5.90	5.70	1720.5	30.4	33.2	35.1	40.0	38.7	37.7
1809.5	1839.5	6.72	6.32	6.02	1839.5	30.2	32.8	35.0	42.1	41.1	40.0
1928.6	1958.6	7.10	6.60	6.40	1958.6	29.4	32.2	34.2	42.7	41.7	41.1
2047.6	2077.6	6.90	6.50	6.30	2077.6	29.4	31.8	33.9	41.6	41.2	40.8
2100.0	2130.0	6.76	6.46	6.16	2130.0	28.8	31.8	33.9	41.1	40.8	40.7
2166.7	2196.7	6.66	6.36	6.16	2196.7	28.9	31.8	34.1	40.5	40.6	40.7
2200.0	2230.0	6.63	6.33	6.03	2230.0	28.6	31.6	34.1	40.7	40.8	40.9
2270.0	2300.0	6.52	6.12	5.92	2300.0	28.0	31.4	34.2	40.6	41.4	41.5
2285.7	2315.7	6.68	6.28	6.08	2315.7	27.9	31.5	34.1	40.6	41.4	41.7
2404.8	2434.8	6.92	6.42	6.32	2434.8	28.0	31.5	33.9	40.3	41.7	42.5
2410.0	2440.0	6.94	6.44	6.34	2440.0	28.0	31.4	33.9	40.1	41.8	42.7
2470.0	2500.0	7.10	6.70	6.60	2500.0	28.5	31.8	34.4	40.6	42.2	43.3
2523.8	2553.8	7.62	7.02	6.92	2553.8	29.0	32.2	34.8	41.5	43.0	44.1
2600.0	2630.0	8.05	7.45	7.35	2630.0	30.0	33.0	35.5	42.6	44.2	45.6

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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
1080.0	1.57	1.42	1.31	3.01	1.73	1.56	1.0	1.75	1.36	1.17
1125.2	1.58	1.44	1.38	3.64	1.78	1.65	5.0	1.73	1.35	1.15
1244.3	1.70	1.66	1.65	2.80	1.67	1.62	10.0	1.70	1.33	1.15
1363.3	1.82	1.88	1.96	2.35	1.63	1.73	36.9	1.73	1.37	1.22
1482.4	1.87	1.88	1.96	2.37	1.53	1.69	73.8	1.69	1.39	1.28
1601.4	2.04	1.91	1.87	1.99	1.36	1.67	110.6	1.71	1.43	1.34
1720.5	2.37	2.20	2.08	1.77	1.18	1.62	147.4	1.63	1.43	1.38
1839.5	2.76	2.61	2.46	1.69	1.06	1.67	184.3	1.60	1.46	1.47
1958.6	3.11	2.84	2.72	1.74	1.15	1.69	200.0	1.59	1.48	1.52
2077.6	2.84	2.68	2.55	1.73	1.27	1.66	221.1	1.59	1.54	1.58
2130.0	2.68	2.52	2.37	2.01	1.36	1.74	240.0	1.60	1.58	1.64
2196.7	2.46	2.32	2.23	2.10	1.48	1.77	258.0	1.61	1.61	1.70
2230.0	2.46	2.27	2.16	2.23	1.51	1.77	294.8	1.65	1.73	1.82
2300.0	2.32	2.14	2.03	2.65	1.67	1.89	331.6	1.73	1.82	1.97
2315.7	2.30	2.10	1.99	2.65	1.67	1.85	368.5	1.82	2.01	2.18
2434.8	2.18	2.03	1.94	2.96	1.85	1.91	405.3	1.87	2.10	2.30
2440.0	2.18	2.01	1.94	3.11	1.88	1.91	442.1	1.96	2.25	2.49
2500.0	2.18	2.04	1.99	3.11	1.96	1.92	450.0	1.96	2.25	2.52
2553.8	2.20	2.06	2.03	3.57	2.06	1.96	479.0	2.03	2.32	2.65
2630.0	2.25	2.20	2.18	3.71	2.10	1.87	515.8	2.01	2.32	2.58