

Frequency Mixer

SYM-ED4744B/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)		
		+10	+13	+16		+10	+13	+16	+10	+13	+16
1000.0	1435.0	7.78	7.28	7.08	1435.0	48.8	51.5	48.8	23.0	25.0	26.2
1119.0	1554.0	7.79	7.39	7.09	1554.0	43.3	50.0	50.9	23.1	25.6	27.2
1238.1	1673.1	7.60	7.10	6.70	1673.1	41.3	43.3	57.0	22.5	25.6	28.0
1357.1	1792.1	7.72	7.02	6.72	1792.1	43.1	44.6	53.0	22.5	25.8	29.5
1476.2	1911.2	7.99	7.19	6.79	1911.2	40.3	41.0	44.4	22.0	25.5	29.8
1595.2	2030.2	8.27	7.37	6.97	2030.2	38.1	38.9	41.9	21.7	24.1	28.6
1714.3	2149.3	8.45	7.65	7.25	2149.3	37.0	37.9	40.2	22.0	23.7	27.2
1833.3	2268.3	8.80	7.80	7.30	2268.3	35.7	36.3	37.0	22.8	24.2	26.8
1952.4	2387.4	8.57	7.77	7.27	2387.4	34.3	35.1	36.4	23.5	25.1	27.8
2071.4	2506.4	8.77	7.87	7.47	2506.4	33.3	34.9	36.1	23.2	24.8	26.9
2085.0	2520.0	8.81	7.91	7.51	2520.0	33.5	35.1	36.1	23.3	24.9	26.7
2100.0	2535.0	8.88	7.98	7.48	2535.0	33.5	35.2	35.9	23.2	24.8	26.6
2150.0	2585.0	8.71	7.91	7.51	2585.0	34.0	35.4	35.0	23.1	24.4	25.7
2185.0	2620.0	8.80	8.00	7.50	2620.0	34.9	36.5	35.2	23.1	24.4	25.3
2190.5	2625.5	8.77	7.97	7.57	2625.5	35.1	36.7	35.2	23.0	24.4	25.3
2200.0	2635.0	8.78	7.98	7.58	2635.0	35.3	36.8	35.2	23.2	24.3	25.0
2250.0	2685.0	8.97	8.17	7.77	2685.0	36.5	37.4	35.3	23.1	24.2	24.4
2285.0	2720.0	9.08	8.28	7.88	2720.0	37.1	37.2	34.3	23.2	24.2	24.0
2300.0	2735.0	9.09	8.29	7.89	2735.0	37.4	37.1	33.9	23.2	24.1	23.8
2309.5	2744.5	9.15	8.35	7.95	2744.5	37.6	37.1	33.7	23.1	23.9	23.6

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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)		
	+10	+13	+16	+10	+13	+16		+10	+13	+16
1435.0	1.60	1.97	2.72	2.35	2.18	2.04	1.0	1.87	1.51	1.24
1554.0	1.76	1.99	2.68	2.58	2.35	2.18	1.9	1.94	1.53	1.22
1673.1	1.94	2.10	2.76	2.37	2.08	1.91	3.7	1.94	1.53	1.21
1792.1	2.20	2.18	2.76	2.14	1.85	1.66	5.0	1.96	1.53	1.21
1911.2	2.27	2.20	2.52	2.01	1.74	1.57	7.0	1.96	1.54	1.21
2030.2	2.32	2.10	2.23	1.77	1.56	1.41	10.0	1.97	1.54	1.21
2149.3	2.32	1.99	2.01	1.63	1.49	1.38	13.4	2.01	1.55	1.21
2268.3	2.27	1.87	1.80	1.51	1.39	1.32	25.7	1.94	1.53	1.20
2387.4	2.37	1.84	1.68	1.29	1.21	1.19	30.0	1.96	1.53	1.21
2506.4	2.46	1.80	1.50	1.17	1.18	1.24	49.2	1.94	1.52	1.21
2520.0	2.49	1.77	1.46	1.15	1.17	1.24	94.2	1.91	1.50	1.19
2535.0	2.52	1.77	1.44	1.14	1.17	1.25	180.3	1.77	1.40	1.12
2585.0	2.52	1.78	1.36	1.10	1.19	1.30	345.1	1.61	1.26	1.06
2620.0	2.49	1.75	1.30	1.11	1.22	1.34	430.0	1.56	1.21	1.11
2625.5	2.49	1.76	1.30	1.12	1.22	1.34	435.0	1.56	1.21	1.11
2635.0	2.52	1.75	1.29	1.13	1.24	1.36	440.0	1.56	1.21	1.12
2685.0	2.35	1.68	1.21	1.19	1.29	1.41	660.5	1.29	1.06	1.29
2720.0	2.43	1.64	1.18	1.25	1.37	1.46	726.5	1.20	1.08	1.34
2735.0	2.40	1.63	1.16	1.29	1.41	1.52	792.4	1.12	1.16	1.44
2744.5	2.37	1.63	1.15	1.31	1.42	1.53	858.4	1.06	1.25	1.56