

Frequency Mixer

SYM-ED4628B/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
40.0	70.0	7.04	6.54	6.14	70.0	31.7	35.1	39.2	38.1	42.3	47.3
100.0	130.0	6.95	6.35	6.05	130.0	33.2	36.7	41.4	38.3	43.2	48.6
151.0	181.0	7.19	6.49	6.09	181.0	33.6	37.2	41.5	38.8	43.8	47.8
300.9	330.9	7.56	6.86	6.26	330.9	34.6	38.6	42.4	40.5	42.5	43.9
450.9	480.9	7.58	6.78	6.28	480.9	36.4	43.1	43.6	39.5	40.1	40.5
600.8	630.8	7.27	6.67	6.27	630.8	37.8	49.7	43.8	38.4	38.9	38.4
750.8	780.8	7.29	6.69	6.39	780.8	35.3	40.7	40.3	38.7	38.3	36.6
900.7	930.7	7.14	6.64	6.34	930.7	33.7	36.9	36.0	40.0	38.3	35.1
1000.0	1030.0	7.02	6.62	6.32	1030.0	32.1	34.2	33.7	41.4	38.6	34.9
1050.7	1080.7	6.85	6.45	6.25	1080.7	31.2	33.5	33.2	42.3	39.3	35.3
1200.6	1230.6	6.81	6.51	6.21	1230.6	28.7	31.3	32.2	48.6	41.1	36.1
1350.6	1380.6	6.88	6.58	6.38	1380.6	27.9	30.5	31.7	48.6	40.3	35.8
1500.5	1530.5	7.04	6.64	6.34	1530.5	27.8	30.6	32.1	42.9	39.7	36.1
1650.5	1680.5	7.03	6.63	6.43	1680.5	25.7	28.1	30.8	40.0	39.1	36.3
1800.4	1830.4	7.32	6.82	6.52	1830.4	25.2	27.9	31.1	38.8	39.7	38.4
1950.4	1980.4	7.77	7.27	6.97	1980.4	24.9	27.0	29.6	36.7	38.2	39.9
2000.0	2030.0	8.07	7.47	7.07	2030.0	24.6	26.4	28.9	35.9	37.5	39.6
2100.3	2130.3	8.63	7.93	7.43	2130.3	24.3	25.6	27.3	34.3	35.7	38.1
2170.0	2200.0	8.65	7.95	7.35	2200.0	24.3	25.4	26.9	33.1	33.9	35.4
2185.0	2215.0	8.66	7.96	7.46	2215.0	24.3	25.2	26.8	32.9	33.8	35.1

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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
70.0	1.28	1.23	1.25	1.10	1.60	2.65	5.0	1.44	1.13	1.13
130.0	1.20	1.11	1.12	1.07	1.59	2.68	10.0	1.44	1.14	1.12
181.0	1.27	1.14	1.08	1.06	1.59	2.58	50.0	1.47	1.18	1.12
330.9	1.44	1.32	1.23	1.07	1.51	2.61	100.0	1.51	1.18	1.16
480.9	1.69	1.56	1.47	1.10	1.49	2.49	105.4	1.46	1.19	1.17
630.8	1.97	1.84	1.74	1.08	1.46	2.27	210.6	1.43	1.23	1.27
780.8	2.12	1.97	1.88	1.14	1.46	2.35	315.9	1.36	1.24	1.33
930.7	2.16	2.06	1.96	1.19	1.43	2.30	421.1	1.27	1.24	1.40
1030.0	2.18	2.04	1.96	1.20	1.39	2.35	435.0	1.26	1.25	1.43
1080.7	2.10	1.97	1.88	1.18	1.36	2.20	526.4	1.19	1.31	1.55
1230.6	1.89	1.76	1.66	1.19	1.37	2.20	631.6	1.23	1.44	1.68
1380.6	1.75	1.60	1.50	1.14	1.37	2.12	736.9	1.30	1.53	1.77
1530.5	1.53	1.39	1.28	1.17	1.39	2.03	842.2	1.35	1.60	1.88
1680.5	1.43	1.30	1.16	1.22	1.40	2.03	947.4	1.39	1.63	1.88
1830.4	1.30	1.18	1.10	1.26	1.35	1.88	1000.0	1.40	1.62	1.85
1980.4	1.25	1.19	1.16	1.27	1.28	1.75	1052.7	1.41	1.63	1.85
2030.0	1.27	1.21	1.17	1.32	1.25	1.76	1157.9	1.46	1.63	1.82
2130.3	1.28	1.20	1.12	1.32	1.18	1.68	1263.2	1.52	1.70	1.89
2200.0	1.23	1.15	1.07	1.29	1.15	1.65	1368.5	1.65	1.81	2.03
2215.0	1.23	1.15	1.07	1.31	1.11	1.65	1473.7	1.80	1.94	2.12