

Frequency Mixer

SYM-ED6614/1

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)		
		+14	+17	+20		+14	+17	+20	+14	+17	+20
500.0	430.0	7.10	6.00	5.70	430.0	36.3	41.4	45.2	52.4	42.6	39.4
550.0	480.0	7.25	6.15	5.75	480.0	36.9	42.4	46.4	57.5	41.6	38.7
650.0	580.0	7.71	6.31	5.81	580.0	37.1	43.0	47.1	57.3	40.1	37.0
800.0	730.0	7.52	6.22	5.82	730.0	38.9	46.9	57.6	46.2	38.5	36.1
950.0	880.0	7.11	6.31	6.11	880.0	41.4	49.5	54.6	42.3	37.4	35.5
1100.0	1030.0	6.66	6.06	5.86	1030.0	42.3	44.8	43.5	38.6	36.4	35.2
1250.0	1180.0	6.50	5.90	5.70	1180.0	41.2	42.4	40.5	36.1	36.0	34.9
1400.0	1330.0	7.11	6.11	5.91	1330.0	39.6	40.2	38.8	33.0	34.7	34.5
1550.0	1480.0	7.30	6.10	5.90	1480.0	37.6	39.5	38.1	30.9	33.9	34.8
1700.0	1630.0	7.42	6.22	5.92	1630.0	34.5	39.1	39.5	29.9	32.9	34.6
1800.0	1730.0	8.16	6.46	6.16	1730.0	33.9	36.3	38.0	29.6	32.7	34.1
1850.0	1780.0	7.79	6.39	6.19	1780.0	33.3	35.0	37.0	29.0	32.1	34.0
1860.0	1790.0	7.97	6.47	6.27	1790.0	33.4	34.9	36.9	29.0	32.2	33.9
1870.0	1800.0	8.16	6.56	6.26	1800.0	33.4	34.7	36.5	29.1	32.1	33.9
1880.0	1810.0	8.21	6.61	6.31	1810.0	33.5	34.6	36.3	29.1	32.1	33.9
1890.0	1820.0	8.30	6.60	6.30	1820.0	33.4	34.6	36.2	29.1	32.1	33.9
1900.0	1830.0	8.34	6.64	6.34	1830.0	33.2	34.4	35.9	29.0	32.0	33.8
1910.0	1840.0	8.29	6.79	6.39	1840.0	33.0	34.3	35.8	28.9	31.9	33.8
1970.0	1900.0	8.91	7.11	6.61	1900.0	32.6	33.7	34.8	29.2	31.6	33.3
2000.0	1930.0	8.98	7.18	6.78	1930.0	32.0	33.5	34.5	28.9	31.4	32.8

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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
430.0	1.15	1.68	2.43	1.94	1.72	1.62	1.0	1.64	1.14	1.18
480.0	1.14	1.80	2.61	2.06	1.82	1.71	5.0	1.67	1.06	1.11
580.0	1.18	1.85	2.76	2.49	2.14	2.25	10.0	1.68	1.06	1.11
730.0	1.21	1.57	2.23	2.84	2.37	2.35	30.0	1.66	1.06	1.11
880.0	1.21	1.43	1.92	2.72	2.46	2.72	51.0	1.67	1.07	1.10
1030.0	1.43	1.54	2.08	3.21	2.84	2.52	70.0	1.68	1.06	1.10
1180.0	1.73	1.63	2.18	3.44	2.76	1.84	80.0	1.68	1.06	1.11
1330.0	1.84	1.43	1.76	2.40	1.97	1.67	100.9	1.66	1.06	1.11
1480.0	2.01	1.38	1.63	2.37	1.83	1.57	150.9	1.63	1.05	1.13
1630.0	2.25	1.43	1.68	2.20	1.74	1.57	200.8	1.60	1.05	1.15
1730.0	2.14	1.39	1.63	2.27	1.74	1.56	250.8	1.58	1.06	1.18
1780.0	2.04	1.38	1.56	2.14	1.71	1.56	300.7	1.55	1.08	1.20
1790.0	2.14	1.40	1.58	2.14	1.71	1.56	350.7	1.56	1.10	1.23
1800.0	2.23	1.40	1.59	2.20	1.72	1.57	400.6	1.59	1.13	1.25
1810.0	2.14	1.39	1.59	2.18	1.71	1.56	450.6	1.59	1.15	1.27
1820.0	2.10	1.37	1.56	2.20	1.69	1.56	500.5	1.57	1.16	1.29
1830.0	2.01	1.34	1.51	2.20	1.72	1.58	550.5	1.53	1.17	1.30
1840.0	1.92	1.32	1.48	2.16	1.72	1.60	600.4	1.48	1.18	1.32
1900.0	2.10	1.34	1.45	2.27	1.72	1.70	650.4	1.44	1.20	1.34
1930.0	1.94	1.29	1.35	2.27	1.88	1.73	700.3	1.40	1.21	1.36