

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)		
		+6	+9	+12		+6	+9	+12	+6	+9	+12
1130.0	1000.0	7.75	6.85	6.55	1000.0	34.2	37.8	40.4	9.8	10.9	12.1
1235.3	1105.3	7.39	6.59	6.29	1105.3	34.7	36.4	37.5	12.8	14.0	14.9
1340.5	1210.5	7.31	6.71	6.51	1210.5	33.1	34.0	34.5	17.0	17.8	18.8
1445.8	1315.8	7.50	7.10	7.00	1315.8	33.8	33.4	34.5	21.0	21.8	22.8
1551.1	1421.1	7.46	7.06	6.96	1421.1	36.1	33.4	33.1	23.8	24.9	25.9
1656.3	1526.3	7.51	7.21	7.11	1526.3	37.8	36.4	35.7	26.0	27.2	28.3
1761.6	1631.6	7.26	7.06	7.06	1631.6	35.7	34.6	34.6	28.2	29.3	30.3
1850.0	1720.0	7.47	6.97	6.87	1720.0	33.0	32.3	33.0	29.3	30.3	31.2
1860.0	1730.0	7.43	7.03	6.93	1730.0	32.8	32.3	32.9	29.8	30.7	31.8
1870.0	1740.0	7.50	7.10	7.00	1740.0	32.4	32.1	32.8	30.3	31.3	32.2
1880.0	1750.0	7.63	7.23	7.13	1750.0	32.5	32.2	32.9	30.6	31.6	32.5
1890.0	1760.0	7.66	7.36	7.16	1760.0	32.8	32.7	33.3	30.7	31.6	32.6
1900.0	1770.0	7.73	7.43	7.23	1770.0	33.3	33.4	33.8	30.5	31.4	32.4
1910.0	1780.0	7.68	7.38	7.18	1780.0	33.9	33.9	34.4	30.0	31.2	32.1
1972.1	1842.1	7.97	7.57	7.47	1842.1	35.9	35.9	35.8	32.0	33.3	34.2
2077.4	1947.4	8.12	7.82	7.72	1947.4	35.2	35.7	36.3	33.5	34.8	35.7
2182.6	2052.6	8.25	7.95	7.65	2052.6	35.9	36.7	37.1	34.8	36.2	37.0
2287.9	2157.9	7.79	7.69	7.59	2157.9	40.3	40.8	40.5	37.6	38.7	39.0
2393.2	2263.2	7.67	7.67	7.67	2263.2	33.3	34.6	35.6	36.5	37.5	38.1
2498.4	2368.4	8.04	7.94	8.04	2368.4	31.4	32.0	32.5	34.3	35.2	35.9

Frequency Mixer

SYM-ED6689/1

Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+6	+9	+12	+6	+9	+12		+6	+9	+12
1000.0	2.20	1.54	1.42	1.66	1.64	1.63	10.0	1.38	1.17	1.06
1105.3	2.20	1.59	1.46	1.41	1.38	1.33	25.0	1.36	1.17	1.09
1210.5	2.25	1.61	1.50	1.23	1.22	1.18	45.0	1.37	1.22	1.16
1315.8	2.27	1.64	1.54	1.14	1.14	1.16	50.0	1.39	1.24	1.18
1421.1	2.27	1.65	1.54	1.16	1.11	1.13	80.0	1.49	1.35	1.29
1526.3	2.35	1.67	1.54	1.17	1.12	1.15	100.0	1.50	1.36	1.31
1631.6	2.35	1.61	1.52	1.12	1.03	1.11	115.0	1.49	1.37	1.32
1720.0	2.10	1.48	1.51	1.27	1.11	1.04	130.0	1.48	1.37	1.32
1730.0	2.14	1.49	1.51	1.25	1.10	1.05	150.0	1.53	1.41	1.37
1740.0	2.16	1.49	1.53	1.25	1.11	1.06	185.0	1.62	1.51	1.49
1750.0	2.16	1.50	1.56	1.25	1.11	1.05	200.0	1.60	1.51	1.51
1760.0	2.20	1.52	1.57	1.26	1.10	1.04	220.0	1.57	1.50	1.50
1770.0	2.20	1.51	1.57	1.26	1.11	1.04	250.0	1.56	1.49	1.51
1780.0	2.20	1.51	1.57	1.27	1.13	1.06	255.0	1.59	1.53	1.54
1842.1	2.10	1.44	1.55	1.38	1.25	1.17	290.0	1.64	1.61	1.65
1947.4	1.96	1.37	1.58	1.46	1.37	1.30	325.0	1.59	1.59	1.65
2052.6	1.88	1.31	1.51	1.55	1.50	1.45	360.0	1.60	1.64	1.71
2157.9	1.80	1.31	1.50	1.51	1.49	1.48	395.0	1.63	1.69	1.77
2263.2	1.74	1.21	1.46	1.37	1.37	1.37	430.0	1.59	1.67	1.77
2368.4	1.70	1.13	1.44	1.31	1.31	1.32	465.0	1.63	1.76	1.88