

Voltage Controlled Oscillator

ROS-ED8727/2

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
0.6	104.51	1127.9	1109.4	1098.3	10.77	9.88	8.75	-10.8	-25.8	-25.2	0.68	1	-75
1.2	74.68	1169.9	1154.2	1144.8	10.56	9.39	8.20	-10.7	-22.2	-24.0	0.17	10	-100
1.8	62.68	1206.0	1191.8	1183.5	10.66	9.45	8.14	-11.5	-22.2	-27.3	0.02	100	-120
2.4	57.17	1239.7	1226.1	1218.3	10.32	9.35	8.24	-12.5	-21.5	-27.2	0.16	1000	-140
3.0	53.88	1271.4	1258.5	1251.0	9.93	8.86	7.80	-12.7	-20.8	-26.7	0.25		
3.6	51.00	1301.5	1289.1	1282.0	9.42	8.53	7.47	-13.2	-20.2	-26.2	0.31		
4.2	49.94	1331.4	1319.0	1312.0	9.02	7.99	7.08	-13.5	-18.8	-25.7	0.36		
4.8	49.62	1361.1	1348.8	1341.8	9.11	8.02	6.85	-14.2	-18.5	-25.0	0.46		
5.4	49.31	1390.7	1378.4	1371.4	9.10	8.08	7.17	-15.0	-17.5	-24.3	0.53		
6.0	49.46	1420.5	1408.0	1401.0	8.65	7.73	7.14	-16.0	-16.7	-23.5	0.61		
6.6	50.10	1451.0	1438.1	1430.9	8.26	7.56	6.91	-16.8	-15.7	-22.8	0.67		
7.2	50.76	1481.8	1468.6	1461.1	7.72	7.23	6.65	-19.5	-14.8	-22.5	0.71		
7.8	50.71	1512.8	1499.0	1491.5	7.58	7.01	6.24	-23.0	-13.5	-21.8	0.69		
8.4	50.92	1543.4	1529.5	1522.7	7.76	7.00	6.22	-27.7	-13.3	-24.0	0.54		
9.0	56.06	1575.0	1563.2	1555.9	7.45	6.83	6.10	-29.7	-16.0	-37.8	0.57		
9.6	57.92	1612.1	1597.9	1589.7	7.14	6.63	6.10	-32.8	-17.2	-32.8	0.65		
10.2	56.80	1647.1	1632.0	1623.6	6.73	6.44	5.87	-29.2	-16.5	-31.5	0.58		
10.8	57.15	1681.3	1666.3	1657.7	6.70	6.08	5.43	-24.7	-16.3	-30.5	0.39		
11.4	56.36	1714.8	1700.1	1691.6	7.04	6.34	5.60	-22.0	-15.8	-30.3	0.09		
12.0	55.31	1747.6	1733.3	1724.9	7.24	6.56	5.89	-20.2	-15.7	-31.5	0.25		
12.6	53.90	1779.5	1765.6	1757.5	7.33	6.74	6.05	-18.3	-15.2	-32.5	0.63		
13.2	52.16	1810.2	1796.9	1789.0	7.07	6.60	5.98	-17.2	-14.7	-33.7	0.97		
13.8	50.23	1839.9	1827.1	1819.2	6.98	6.30	5.79	-16.0	-14.5	-31.7	1.31		
14.4	48.15	1868.6	1856.0	1848.1	7.12	6.40	5.76	-15.0	-14.3	-30.2	1.56		
15.0	46.00	1896.0	1883.6	1875.7	7.24	6.50	5.86	-14.3	-14.5	-31.0	1.76		
15.6	43.80	1922.3	1909.8	1901.8	7.36	6.73	6.03	-13.8	-14.7	-29.7	1.86		
16.2	41.64	1947.5	1934.8	1926.7	7.61	6.97	6.36	-13.5	-15.2	-28.3	1.90		
16.8	39.72	1971.5	1958.7	1950.2	7.27	6.71	6.31	-12.7	-15.2	-28.2	1.93		
17.4	37.68	1994.3	1981.3	1972.6	7.07	6.52	6.09	-11.7	-15.3	-29.0	1.85		
18.0	35.84	2016.1	2002.8	1993.8	7.01	6.35	5.90	-11.0	-15.2	-28.8	1.79		
18.6	34.04	2036.8	2023.2	2013.9	7.00	6.42	5.84	-12.0	-15.3	-29.3	1.67		
19.2	32.33	2056.5	2042.6	2033.0	7.11	6.35	5.88	-12.0	-15.7	-29.2	1.57		
19.8	30.73	2075.3	2061.0	2051.2	7.24	6.44	5.93	-11.7	-15.8	-29.8	1.44		
20.4	29.35	2093.2	2078.7	2068.5	7.42	6.63	6.11	-11.3	-16.0	-29.5	1.35		
21.0	28.03	2110.3	2095.5	2085.1	7.50	6.71	6.32	-11.3	-16.3	-29.8	1.24		
21.6	26.85	2126.6	2111.6	2100.8	7.30	6.79	6.38	-11.0	-16.7	-30.0	1.16		
22.2	25.63	2142.2	2127.0	2116.0	7.22	6.60	6.42	-10.5	-16.8	-30.2	1.12		
22.8	24.47	2157.0	2141.6	2130.4	7.08	6.50	6.30	-10.3	-17.3	-30.8	1.11		
23.4	23.25	2171.2	2155.6	2144.3	6.92	6.38	6.18	-10.2	-17.5	-32.0	1.10		
24.0	22.26	2184.7	2168.9	2157.3	6.94	6.25	6.13	-10.0	-17.8	-32.7	1.10		