

Voltage Controlled Oscillator

ROS-ED10353/1

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			
1.0	30.20	1615.1	1606.2	1601.3	8.64	8.57	8.40	-25.0	-23.8	-32.9	0.12	1	-80
1.5	29.88	1630.2	1621.1	1616.2	8.76	8.66	8.45	-25.2	-23.8	-33.7	0.14	10	-103
2.0	30.72	1645.8	1636.5	1631.4	8.89	8.78	8.59	-25.4	-23.9	-33.9	0.16	100	-123
2.5	32.00	1662.1	1652.5	1647.2	9.06	8.94	8.73	-25.8	-23.5	-34.2	0.14	1000	-143
3.0	33.36	1679.0	1669.2	1663.7	9.28	9.19	8.97	-25.7	-23.5	-33.8	0.13		
3.5	34.40	1696.4	1686.4	1680.7	9.34	9.35	9.17	-25.7	-23.4	-33.7	0.10		
4.0	35.00	1714.0	1703.9	1698.1	9.18	9.30	9.23	-25.4	-23.2	-34.4	0.06		
4.5	35.06	1731.7	1721.4	1715.5	9.06	9.20	9.10	-25.1	-23.0	-35.2	0.02		
5.0	34.76	1749.2	1738.8	1732.7	8.94	9.05	8.95	-24.6	-22.7	-36.0	0.00		
5.5	34.14	1766.3	1755.8	1749.7	8.88	9.01	8.90	-24.3	-22.5	-37.3	0.00		
6.0	33.34	1783.1	1772.5	1766.2	8.89	8.94	8.85	-23.7	-22.4	-37.6	0.02		
6.5	32.38	1799.4	1788.7	1782.3	9.00	9.01	8.86	-23.3	-22.1	-37.7	0.00		
7.0	31.58	1815.3	1804.5	1798.0	9.20	9.15	9.01	-22.9	-21.9	-37.7	0.00		
7.5	30.64	1830.7	1819.8	1813.2	9.38	9.37	9.21	-22.5	-22.0	-37.2	0.04		
8.0	29.80	1845.7	1834.7	1828.0	9.53	9.55	9.41	-22.2	-22.1	-36.7	0.05		
8.5	29.08	1860.4	1849.3	1842.4	9.61	9.69	9.53	-21.8	-22.1	-36.0	0.09		
9.0	28.40	1874.7	1863.5	1856.4	9.60	9.73	9.65	-21.7	-22.1	-35.0	0.12		
9.5	27.74	1888.7	1877.3	1870.2	9.52	9.75	9.69	-21.1	-22.0	-34.0	0.14		
10.0	27.06	1902.3	1890.9	1883.6	9.45	9.67	9.65	-20.8	-21.8	-33.6	0.17		
10.5	26.30	1915.6	1904.0	1896.6	9.32	9.55	9.59	-20.5	-21.8	-32.8	0.18		
11.0	25.74	1928.5	1916.9	1909.4	9.25	9.49	9.48	-20.4	-22.1	-32.3	0.20		
11.5	25.12	1941.2	1929.4	1921.8	9.25	9.43	9.43	-20.2	-22.1	-31.6	0.23		
12.0	24.50	1953.6	1941.7	1933.9	9.26	9.43	9.38	-20.0	-22.3	-31.8	0.27		
12.5	23.88	1965.7	1953.6	1945.7	9.31	9.45	9.38	-20.0	-22.4	-31.1	0.28		
13.0	23.36	1977.5	1965.3	1957.3	9.43	9.50	9.43	-19.8	-22.5	-31.0	0.30		
13.5	22.80	1989.0	1976.7	1968.5	9.55	9.59	9.51	-19.6	-22.5	-30.2	0.33		
14.0	22.16	2000.2	1987.8	1979.5	9.68	9.76	9.62	-19.5	-22.6	-30.5	0.35		
14.5	21.44	2011.0	1998.5	1990.1	9.80	9.89	9.75	-19.4	-22.7	-30.5	0.40		
15.0	20.80	2021.5	2008.9	2000.4	9.91	10.02	9.89	-19.3	-22.9	-29.4	0.42		
15.5	20.20	2031.7	2019.0	2010.4	9.97	10.13	10.01	-19.1	-23.2	-29.4	0.45		
16.0	19.50	2041.6	2028.8	2020.1	9.97	10.20	10.13	-19.0	-23.6	-29.3	0.48		
16.5	18.84	2051.2	2038.2	2029.4	9.89	10.21	10.20	-18.8	-23.4	-29.4	0.53		
17.0	18.22	2060.4	2047.3	2038.3	9.81	10.17	10.20	-18.7	-23.7	-29.0	0.52		
17.5	17.60	2069.4	2056.1	2047.0	9.69	10.10	10.17	-18.8	-23.6	-29.0	0.55		
18.0	16.94	2078.1	2064.6	2055.3	9.58	9.99	10.10	-18.6	-23.5	-29.1	0.58		
18.5	16.20	2086.4	2072.7	2063.3	9.51	9.88	10.00	-18.6	-23.5	-29.0	0.60		
19.0	15.44	2094.2	2080.4	2070.9	9.43	9.82	9.94	-18.5	-23.4	-29.2	0.60		
19.5	14.66	2101.7	2087.7	2078.1	9.38	9.71	9.82	-18.4	-23.4	-29.1	0.62		
20.0	13.70	2108.7	2094.6	2084.8	9.34	9.68	9.76	-18.4	-23.7	-28.4	0.65		