

Voltage Controlled Oscillator

ROS-EDR4781

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			
0.3	68.22	1573.5	1555.3	1546.5	6.66	6.41	5.35	-21.6	-41.4	-63.3	-0.13	1	-73
0.5	58.61	1588.5	1569.9	1562.5	6.60	6.55	5.31	-21.9	-40.0	-63.8	-0.05	10	-97
0.8	54.86	1601.9	1583.6	1577.0	6.55	6.49	5.26	-21.5	-39.6	-67.0	0.01	100	-119
1.0	54.54	1614.3	1597.3	1590.3	6.56	6.27	5.20	-21.6	-38.9	-67.1	-0.01	1000	-138
1.3	52.07	1626.5	1610.3	1602.6	6.50	6.07	5.16	-22.2	-39.0	-66.1	0.02		
1.8	47.24	1650.4	1634.5	1625.4	6.37	5.82	5.11	-24.5	-40.6	-61.8	0.05		
2.0	45.70	1661.6	1646.0	1636.5	6.30	5.78	5.06	-25.1	-40.2	-59.3	0.05		
2.5	41.79	1683.0	1667.3	1657.6	6.27	5.70	5.02	-25.0	-39.1	-56.7	0.10		
2.8	40.98	1693.2	1677.5	1667.7	6.30	5.67	5.00	-25.6	-38.7	-55.3	0.11		
3.3	40.33	1713.1	1697.6	1687.5	6.33	5.69	5.04	-27.8	-40.6	-56.2	0.11		
3.5	40.35	1722.8	1707.7	1697.2	6.35	5.72	5.10	-29.2	-40.3	-56.3	0.12		
4.0	38.71	1741.9	1727.2	1716.3	6.44	5.78	5.14	-30.1	-41.0	-56.7	0.15		
4.3	37.75	1751.4	1736.6	1725.7	6.47	5.88	5.18	-30.3	-40.2	-56.6	0.13		
4.8	36.83	1770.6	1755.1	1744.4	6.50	6.07	5.27	-31.8	-40.4	-57.0	0.11		
5.0	36.17	1780.4	1764.2	1753.8	6.53	6.17	5.31	-32.8	-41.2	-59.1	0.13		
5.5	36.53	1799.7	1782.3	1773.1	6.57	6.29	5.33	-34.7	-41.4	-61.8	0.16		
5.8	36.92	1809.3	1791.6	1783.0	6.62	6.30	5.35	-35.1	-41.9	-61.6	0.12		
6.3	39.12	1828.4	1810.7	1802.3	6.68	6.24	5.39	-35.3	-41.5	-61.7	0.17		
6.5	40.11	1838.2	1820.8	1812.0	6.71	6.21	5.47	-35.8	-42.0	-66.2	0.16		
7.0	41.69	1858.1	1841.4	1831.6	6.71	6.17	5.52	-36.6	-43.3	-63.6	0.14		
7.3	42.24	1868.3	1852.0	1841.6	6.71	6.16	5.51	-36.7	-43.6	-66.1	0.16		
7.8	43.08	1889.3	1873.5	1862.3	6.75	6.17	5.48	-36.0	-44.2	-60.4	0.14		
8.0	43.58	1899.8	1884.4	1872.9	6.80	6.18	5.49	-36.1	-44.1	-56.9	0.19		
8.5	44.34	1921.3	1906.5	1894.7	6.87	6.26	5.59	-37.3	-44.3	-51.4	0.18		
8.8	44.96	1932.2	1917.7	1905.6	6.87	6.32	5.61	-37.9	-45.7	-50.7	0.19		
9.3	45.16	1954.5	1940.2	1928.0	6.89	6.41	5.63	-38.3	-45.8	-47.0	0.16		
9.5	45.69	1966.1	1951.6	1939.4	6.89	6.45	5.70	-37.8	-46.5	-44.8	0.19		
10.0	46.28	1990.2	1974.6	1962.7	6.85	6.56	5.70	-38.9	-47.1	-43.4	0.12		
10.3	46.48	2002.3	1986.2	1974.8	6.85	6.56	5.64	-39.8	-48.6	-43.9	0.16		
10.8	47.56	2026.8	2009.8	1999.2	6.89	6.55	5.66	-39.7	-49.9	-42.7	0.13		
11.0	48.78	2039.0	2022.0	2011.5	6.92	6.55	5.70	-39.7	-51.0	-42.0	0.12		
11.5	50.56	2063.9	2047.0	2036.1	6.88	6.52	5.66	-41.7	-52.7	-44.2	0.06		
11.8	51.90	2076.5	2059.9	2048.4	6.93	6.47	5.66	-42.0	-54.5	-44.8	0.08		
12.3	51.28	2100.9	2085.7	2073.2	6.94	6.49	5.73	-42.3	-55.9	-44.4	0.00		
12.5	49.54	2113.0	2098.1	2085.4	6.94	6.57	5.72	-42.5	-56.2	-43.8	0.02		
13.0	46.69	2137.5	2121.8	2109.3	6.92	6.68	5.71	-44.5	-58.9	-44.4	-0.03		
13.3	46.21	2149.5	2133.3	2121.3	6.92	6.72	5.70	-45.8	-58.6	-45.1	-0.02		
13.8	45.08	2172.6	2156.0	2145.0	6.93	6.68	5.68	-49.0	-55.6	-43.9	-0.07		
14.0	45.45	2183.7	2167.4	2156.4	6.90	6.65	5.71	-50.3	-54.7	-43.7	-0.05		