

Voltage Controlled Oscillator

ROS-EDR5804

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	36.16	1393.1	1386.8	1385.5	7.78	7.25	7.11	-13.9	-18.9	-33.1	0.26	1	-81
2.0	34.69	1427.7	1421.5	1420.4	7.38	7.01	6.86	-14.4	-18.5	-30.8	0.26	10	-104
3.0	38.08	1465.8	1459.6	1458.3	6.91	6.66	6.50	-15.0	-17.6	-28.8	0.19	100	-126
4.0	39.94	1506.0	1499.5	1498.4	6.58	6.36	6.22	-16.3	-17.3	-26.9	0.13	1000	-146
5.0	39.36	1545.3	1538.9	1537.5	6.27	6.21	6.11	-17.6	-16.6	-26.0	0.13		
6.0	37.95	1583.2	1576.8	1575.7	6.20	6.10	6.07	-18.8	-16.4	-24.6	0.13		
7.0	36.16	1619.2	1613.0	1611.7	5.99	5.93	5.83	-19.9	-16.3	-23.9	0.06		
8.0	33.79	1653.1	1646.8	1645.6	5.81	5.88	5.80	-21.6	-16.5	-23.9	0.19		
9.0	32.51	1685.6	1679.3	1678.0	5.67	5.83	5.67	-23.1	-16.5	-23.8	0.26		
10.0	31.23	1717.0	1710.5	1709.3	5.64	5.69	5.68	-24.7	-17.1	-24.1	0.19		
11.0	29.82	1746.8	1740.4	1739.0	5.60	5.66	5.68	-25.1	-17.6	-23.8	0.19		
12.0	29.06	1776.1	1769.4	1768.2	5.48	5.49	5.56	-24.8	-18.8	-25.1	0.19		
13.0	27.84	1803.5	1797.2	1796.0	5.31	5.47	5.46	-23.1	-20.3	-26.9	0.19		
14.0	27.58	1831.1	1824.8	1823.7	5.16	5.31	5.30	-21.3	-20.9	-30.8	0.13		
15.0	26.62	1857.9	1851.5	1850.3	4.99	5.29	5.19	-19.8	-20.0	-34.5	0.19		
16.0	25.98	1884.2	1877.4	1876.2	5.01	5.25	5.16	-18.2	-18.8	-35.2	0.13		
17.0	24.77	1908.9	1902.2	1900.8	5.11	5.35	5.25	-17.3	-17.8	-34.8	0.26		
18.0	23.68	1932.8	1925.9	1924.5	5.13	5.38	5.23	-16.4	-17.1	-33.1	0.19		
19.0	22.40	1954.9	1948.3	1946.5	5.38	5.53	5.45	-15.7	-16.6	-33.0	0.19		
20.0	21.25	1976.5	1969.5	1968.2	5.30	5.55	5.40	-15.1	-16.2	-31.3	0.19		
21.0	20.10	1996.5	1989.6	1988.3	5.42	5.55	5.43	-14.6	-15.9	-31.1	0.13		
22.0	18.30	2015.0	2007.9	2006.5	5.42	5.62	5.50	-14.3	-15.9	-29.8	0.06		
23.0	16.96	2032.0	2024.9	2023.4	5.50	5.63	5.52	-13.9	-16.0	-28.8	0.06		
24.0	15.10	2047.2	2040.0	2038.6	5.59	5.66	5.59	-13.5	-15.9	-28.9	0.00		
25.0	13.31	2060.4	2053.3	2051.8	5.67	5.71	5.66	-13.3	-16.0	-28.5	0.00		
26.0	11.33	2072.0	2064.6	2063.2	5.68	5.75	5.72	-13.1	-16.1	-28.8	0.00		