

Voltage Controlled Oscillator

ROS-ED8419/4

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	33.46	1428.0	1421.6	1414.7	7.24	7.01	6.56	-15.8	-20.0	-24.4	0.76	1	-77
2.0	25.87	1453.7	1447.5	1440.9	7.01	6.84	6.44	-17.0	-19.3	-23.4	0.81	10	-103
3.0	23.65	1477.3	1471.1	1464.6	6.75	6.63	6.31	-18.3	-18.7	-23.0	0.83	100	-123
4.0	23.10	1500.6	1494.2	1487.6	6.52	6.45	6.15	-19.9	-18.3	-21.9	0.82	1000	-143
5.0	23.20	1524.0	1517.4	1510.6	6.44	6.41	6.11	-22.2	-21.9	-20.8	0.80		
6.0	23.44	1547.6	1540.8	1534.4	6.19	6.18	5.90	-23.1	-15.6	-20.2	0.65		
7.0	25.99	1572.3	1566.8	1560.9	5.92	5.91	5.65	-21.5	-17.9	-25.5	0.58		
8.0	30.66	1604.6	1597.5	1590.4	5.80	5.79	5.53	-22.0	-21.4	-40.8	0.86		
9.0	32.41	1637.8	1629.9	1622.2	5.92	5.80	5.45	-22.2	-20.6	-36.4	0.96		
10.0	34.26	1672.2	1664.1	1656.2	5.94	5.80	5.46	-21.2	-20.0	-35.5	0.95		
11.0	35.73	1708.2	1699.9	1691.6	6.02	5.85	5.45	-20.1	-19.1	-34.7	0.96		
12.0	35.53	1743.6	1735.4	1727.1	6.09	5.88	5.48	-18.8	-18.4	-35.4	0.85		
13.0	33.70	1777.1	1769.1	1760.9	6.21	6.05	5.62	-17.6	-17.9	-33.9	0.77		
14.0	31.64	1808.7	1800.8	1792.5	6.19	6.04	5.66	-17.0	-18.0	-31.6	0.72		
15.0	29.39	1838.0	1830.1	1821.9	6.22	6.08	5.73	-16.2	-17.9	-30.3	0.74		
16.0	26.84	1864.7	1857.0	1848.8	6.32	6.18	5.82	-15.4	-17.8	-30.4	0.79		
17.0	24.79	1889.5	1881.8	1873.6	6.36	6.26	5.94	-14.9	-18.0	-29.5	0.80		
18.0	23.18	1912.7	1905.0	1896.7	6.31	6.25	5.96	-14.4	-18.1	-29.6	0.85		
19.0	21.70	1934.4	1926.6	1918.4	6.37	6.29	5.97	-14.0	-18.0	-28.9	0.89		
20.0	20.31	1954.7	1947.0	1938.7	6.37	6.35	6.07	-13.6	-18.1	-28.9	0.90		
21.0	19.02	1973.7	1966.0	1957.7	6.36	6.34	6.10	-13.4	-18.3	-28.1	0.91		
22.0	17.96	1991.7	1983.9	1975.6	6.40	6.38	6.14	-13.1	-18.3	-26.7	0.92		
23.0	16.94	2008.7	2000.9	1992.5	6.42	6.44	6.20	-12.9	-18.3	-26.5	0.89		
24.0	15.89	2024.7	2016.8	2008.3	6.38	6.44	6.25	-12.5	-18.1	-26.3	0.85		
25.0	14.73	2039.6	2031.5	2022.9	6.36	6.42	6.25	-12.2	-18.3	-26.3	0.79		