

Voltage Controlled Oscillator

ROS-EDR4745

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	67.30	1733.7	1718.1	1707.9	4.24	4.37	3.64	-21.5	-28.1	-32.9	-1.54	1	-65
0.5	60.40	1748.2	1733.2	1722.5	4.72	4.50	3.74	-22.3	-27.1	-34.5	-1.34	10	-91
0.8	55.00	1762.8	1746.9	1735.7	4.67	4.54	3.84	-22.5	-26.9	-33.2	-1.15	100	-112
1.0	54.50	1777.5	1760.6	1749.4	4.51	4.55	4.12	-22.4	-27.3	-32.8	-1.02	1000	-131
1.3	56.60	1791.9	1774.7	1763.5	4.48	4.61	4.35	-22.3	-26.7	-34.2	-0.90		
1.5	62.20	1806.8	1790.3	1778.9	4.13	4.54	4.20	-22.5	-26.9	-34.3	-0.70		
1.8	62.20	1823.5	1805.8	1795.1	4.30	4.49	4.02	-22.6	-27.0	-35.6	-0.64		
2.0	67.60	1841.9	1822.7	1811.2	4.02	4.46	3.99	-22.8	-26.7	-36.2	-0.77		
2.3	74.80	1860.4	1841.4	1829.2	3.45	4.45	4.12	-23.4	-27.3	-36.4	-0.90		
2.5	71.20	1878.0	1859.2	1848.4	3.27	4.53	3.91	-24.3	-27.4	-37.8	-1.28		
2.8	74.80	1896.3	1877.9	1866.7	3.43	4.47	3.49	-25.1	-29.2	-37.4	-1.54		
3.0	80.90	1917.2	1898.1	1884.5	2.80	4.14	3.36	-25.3	-29.8	-36.2	-1.86		
3.3	73.00	1935.0	1916.4	1902.1	2.17	3.85	3.69	-25.8	-30.5	-35.0	-2.30		
3.5	74.50	1953.0	1935.0	1923.5	1.97	3.44	3.27	-26.7	-31.4	-35.1	-2.82		
3.8	79.10	1970.4	1954.8	1940.6	2.20	2.86	2.82	-26.6	-31.8	-34.2	-3.20		
4.0	63.50	1991.6	1970.6	1957.4	1.91	2.80	2.60	-27.1	-34.8	-34.6	-3.58		
4.3	64.80	2007.9	1986.8	1973.4	1.62	2.65	2.85	-27.3	-34.9	-35.1	-4.42		
4.5	68.10	2024.1	2003.8	1990.9	1.43	2.44	3.08	-27.4	-34.7	-35.9	-4.74		
4.8	56.60	2039.0	2018.0	2008.9	1.42	2.50	2.65	-27.8	-36.3	-36.0	-4.48		
5.0	50.70	2052.7	2030.7	2020.7	1.83	2.66	2.67	-28.1	-36.9	-35.3	-4.99		