

Voltage Controlled Oscillator

ROS-EDR4293

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	65.50	913.9	898.8	891.8	9.08	8.61	8.50	-15.5	-19.9	-43.8	1.02	1	-69
2.0	60.70	972.3	959.5	950.1	9.90	9.34	8.94	-13.5	-17.9	-41.7	1.22	10	-95
3.0	48.40	1019.1	1007.9	1000.2	10.12	9.91	9.69	-12.1	-17.8	-35.5	1.66	100	-119
4.0	48.70	1068.9	1056.6	1049.2	10.57	10.31	10.01	-11.1	-18.0	-31.4	1.79	1000	-139
5.0	42.20	1113.7	1098.8	1093.4	10.82	10.69	10.47	-10.7	-20.6	-30.0	1.22		
6.0	47.90	1162.6	1146.6	1139.7	11.11	10.59	10.37	-10.1	-24.0	-28.5	2.56		
7.0	43.00	1207.6	1189.6	1184.9	11.31	10.79	10.81	-9.4	-30.5	-27.9	2.50		
8.0	57.20	1258.9	1246.9	1239.6	11.54	10.96	10.65	-8.1	-42.5	-27.8	2.43		
9.0	48.30	1312.8	1295.2	1291.0	11.78	11.38	11.33	-7.7	-41.9	-28.9	1.66		
10.0	60.90	1369.5	1356.0	1341.1	11.70	10.93	10.71	-6.7	-35.2	-31.6	3.01		
11.0	53.90	1425.2	1409.9	1404.8	11.67	11.48	11.32	-6.2	-32.3	-32.0	1.92		
12.0	56.10	1482.9	1466.1	1459.3	11.75	11.09	10.90	-5.7	-30.9	-35.9	2.62		
13.0	60.40	1534.7	1526.5	1520.8	12.13	11.77	11.61	-5.0	-28.4	-36.9	2.62		
14.0	45.70	1579.6	1572.2	1566.5	11.20	11.34	11.30	-4.7	-27.4	-36.4	2.30		
15.0	47.00	1637.6	1619.1	1614.1	11.85	11.22	11.22	-5.1	-25.1	-34.6	2.62		
16.0	39.70	1678.7	1658.9	1654.0	11.27	10.95	10.99	-5.0	-23.8	-32.8	2.37		
17.0	36.10	1719.3	1695.0	1690.8	11.06	10.48	10.63	-5.5	-23.8	-31.5	1.79		
18.0	41.40	1751.6	1736.4	1729.7	10.79	10.23	10.18	-6.1	-21.6	-28.4	2.50		
19.0	30.20	1775.1	1766.6	1760.1	10.27	9.79	9.96	-7.6	-23.1	-26.3	2.24		
20.0	32.60	1808.4	1799.2	1780.7	9.63	9.28	9.44	-8.8	-21.4	-26.1	2.24		
21.0	28.90	1837.5	1828.0	1812.7	9.90	9.18	8.90	-9.9	-20.7	-26.7	2.69		
22.0	18.80	1855.4	1846.8	1839.9	9.55	9.10	9.21	-11.3	-20.6	-25.4	2.24		
23.0	17.20	1881.6	1864.0	1855.9	9.04	8.63	9.05	-11.6	-21.9	-26.4	3.26		
24.0	23.00	1904.5	1887.0	1878.9	8.71	8.59	8.62	-13.3	-21.7	-25.9	2.11		
25.0	21.80	1920.0	1908.9	1891.8	8.89	8.47	8.47	-14.8	-23.8	-26.1	3.26		
26.0	12.20	1931.2	1921.1	1913.1	8.91	8.54	8.46	-15.9	-24.5	-25.8	2.37		
27.0	9.50	1947.7	1930.6	1922.9	8.71	8.60	8.43	-15.1	-24.1	-26.2	2.18		
28.0	7.90	1957.0	1938.6	1930.9	8.94	8.41	8.45	-15.7	-26.0	-27.0	2.62		
29.0	13.70	1963.5	1952.3	1937.5	8.94	8.55	8.34	-16.7	-25.2	-25.8	2.75		