

Voltage Controlled Oscillator

ROS-ED8176C/1

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	80.73	955.4	934.1	916.1	4.26	4.27	3.91	-10.7	-23.3	-40.5	1.36	1	-70
2.0	70.90	1025.6	1005.0	989.3	5.37	4.81	3.86	-9.8	-26.7	-34.7	1.00	10	-96
3.0	67.06	1091.8	1072.0	1057.7	5.76	5.12	4.40	-9.5	-32.5	-31.0	0.76	100	-118
4.0	64.88	1156.1	1136.9	1123.6	5.63	4.90	4.00	-9.2	-32.8	-28.5	0.54	1000	-138
5.0	64.91	1220.3	1201.8	1189.1	6.40	5.37	4.20	-9.8	-27.8	-27.7	0.38		
6.0	66.54	1286.4	1268.4	1255.9	6.02	5.23	4.33	-10.5	-24.0	-27.0	0.26		
7.0	68.49	1354.8	1336.9	1324.5	6.06	5.16	4.09	-10.5	-21.8	-26.8	0.05		
8.0	70.51	1424.8	1407.4	1395.3	6.24	5.52	4.81	-11.7	-21.2	-28.0	0.45		
9.0	71.72	1495.3	1479.1	1467.6	5.99	5.05	4.38	-12.8	-21.5	-28.7	0.85		
10.0	75.82	1571.1	1554.9	1542.8	5.49	5.01	4.37	-17.7	-21.8	-38.8	0.40		
11.0	77.42	1650.6	1632.3	1618.7	4.59	4.64	4.21	-24.5	-21.3	-43.3	0.37		
12.0	74.70	1725.8	1707.0	1692.8	4.93	4.63	3.97	-30.2	-21.2	-40.8	1.18		
13.0	71.07	1797.1	1778.1	1763.6	4.95	4.90	4.40	-36.2	-21.8	-43.5	2.00		
14.0	66.67	1864.1	1844.8	1829.9	4.79	4.58	3.88	-40.2	-22.8	-43.2	2.41		
15.0	61.89	1926.5	1906.7	1891.2	5.12	4.78	4.07	-35.7	-23.3	-43.5	2.21		
16.0	56.77	1984.0	1963.4	1947.2	4.67	4.87	4.49	-32.0	-22.3	-45.0	1.60		
17.0	51.35	2036.0	2014.8	1997.8	4.59	4.52	3.95	-30.2	-21.2	-45.3	0.72		
18.0	46.32	2082.8	2061.1	2043.3	5.02	4.75	4.06	-28.8	-21.3	-44.3	0.17		
19.0	41.30	2124.6	2102.4	2083.9	4.98	5.10	4.50	-28.3	-21.8	-41.8	1.02		
20.0	36.90	2161.8	2139.3	2120.1	4.73	4.92	4.66	-27.8	-22.8	-40.3	1.71		
21.0	32.63	2194.7	2171.9	2152.3	4.50	4.72	4.32	-27.8	-24.7	-40.0	2.33		
22.0	29.07	2224.1	2201.0	2180.9	4.45	4.62	4.18	-28.2	-26.2	-40.0	2.86		
23.0	26.05	2250.3	2227.1	2206.4	4.64	4.57	4.13	-28.3	-27.3	-39.5	3.38		
24.0	23.24	2273.5	2250.3	2229.3	4.71	4.79	4.04	-28.3	-28.0	-39.7	3.83		
25.0	20.51	2294.1	2270.8	2249.6	4.63	4.89	4.27	-28.5	-28.7	-39.3	4.18		