

Voltage Controlled Oscillator

ROS-ED9846/1

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			
0.5	45.71	1061.9	1043.1	1027.2	5.92	6.03	5.78	-12.0	-31.6	-50.2	0.57	1	-68
1.0	49.43	1088.0	1067.8	1051.9	6.03	6.28	5.93	-12.0	-32.4	-45.9	1.19	10	-93
1.5	54.20	1116.7	1094.9	1079.3	6.21	6.21	6.01	-12.0	-34.6	-41.4	1.80	100	-113
2.0	60.13	1148.0	1125.0	1109.7	6.29	6.29	5.86	-12.3	-37.9	-38.4	2.43	1000	-133
2.5	65.78	1181.2	1157.9	1143.4	6.32	6.17	5.83	-12.8	-39.8	-36.7	3.04		
3.0	70.15	1216.0	1193.0	1179.6	6.31	6.17	5.68	-13.3	-39.3	-34.3	3.52		
3.5	74.21	1252.2	1230.1	1217.6	6.27	5.88	5.50	-13.8	-38.0	-32.7	3.86		
4.0	77.15	1289.4	1268.6	1257.3	6.18	5.92	5.44	-14.3	-38.5	-32.2	4.15		
4.5	78.32	1327.3	1307.8	1297.3	6.23	5.76	5.29	-15.0	-39.0	-31.4	4.47		
5.0	79.19	1365.6	1347.4	1337.7	6.12	5.83	5.42	-15.6	-38.2	-32.0	4.68		
5.5	78.75	1403.9	1386.8	1377.7	6.01	5.76	5.33	-16.4	-35.1	-33.4	4.59		
6.0	79.34	1442.5	1426.4	1417.6	5.87	5.58	5.21	-17.3	-32.6	-35.4	4.12		
6.5	81.58	1482.7	1467.2	1458.1	5.61	5.41	5.07	-18.4	-31.9	-35.4	3.05		
7.0	83.38	1525.4	1508.9	1498.8	5.59	5.25	4.83	-20.5	-31.9	-34.8	2.07		
7.5	84.30	1569.3	1551.1	1539.5	5.31	5.14	4.85	-23.1	-31.8	-36.1	1.40		
8.0	82.32	1612.4	1592.2	1579.5	5.26	5.17	4.78	-26.9	-29.6	-37.8	0.96		
8.5	79.86	1653.8	1632.1	1618.5	5.03	5.08	4.82	-31.1	-28.8	-41.8	0.80		
9.0	77.76	1693.7	1671.0	1656.9	5.04	4.93	4.67	-35.5	-27.8	-44.7	0.84		
9.5	76.13	1732.6	1709.1	1694.7	5.07	5.05	4.71	-39.1	-27.5	-46.0	1.07		
10.0	75.18	1770.6	1746.7	1732.0	5.12	4.99	4.71	-42.5	-27.0	-45.7	1.47		
10.5	73.97	1807.8	1783.7	1769.0	5.20	5.11	4.71	-45.5	-26.9	-44.7	1.89		
11.0	72.78	1844.6	1820.0	1805.3	5.13	5.07	4.77	-47.4	-27.3	-44.7	2.33		
11.5	72.28	1880.9	1856.2	1841.2	5.04	5.01	4.69	-48.6	-27.8	-45.8	2.78		
12.0	71.03	1916.5	1891.7	1876.8	4.96	4.89	4.59	-48.8	-28.8	-44.8	3.17		
12.5	69.07	1951.1	1926.2	1911.2	4.97	4.83	4.49	-48.9	-29.7	-45.5	3.55		
13.0	66.95	1984.5	1959.7	1944.7	4.99	4.85	4.50	-48.2	-28.9	-47.8	3.82		
13.5	64.08	2016.7	1991.8	1976.7	5.04	4.83	4.49	-48.9	-27.1	-47.5	4.00		
14.0	61.40	2047.8	2022.5	2007.2	5.19	4.91	4.49	-48.4	-26.6	-48.4	4.20		
14.5	59.10	2077.7	2052.0	2036.6	5.13	5.01	4.63	-48.0	-25.5	-48.9	4.20		
15.0	56.26	2106.2	2080.1	2064.5	5.11	4.92	4.61	-44.3	-24.6	-44.4	4.20		
15.5	53.24	2133.5	2106.8	2090.8	5.07	4.89	4.53	-42.7	-24.0	-43.4	4.02		
16.0	50.76	2159.6	2132.1	2115.8	4.86	4.86	4.51	-40.9	-23.7	-42.5	3.92		
16.5	47.94	2184.0	2156.1	2139.4	4.80	4.66	4.43	-39.8	-23.9	-40.5	3.74		
17.0	44.96	2207.0	2178.6	2161.7	4.86	4.54	4.22	-38.2	-23.8	-40.7	3.64		
17.5	42.00	2228.5	2199.6	2182.5	4.97	4.56	4.13	-37.5	-23.8	-39.4	3.46		
18.0	39.36	2248.8	2219.3	2201.8	4.96	4.66	4.15	-36.7	-23.8	-42.9	3.34		
18.5	36.90	2267.7	2237.7	2220.0	4.92	4.69	4.24	-36.3	-23.8	-42.2	3.30		
19.0	34.44	2285.2	2254.9	2237.0	4.85	4.67	4.27	-35.7	-23.6	-40.8	3.20		
19.5	31.92	2301.5	2270.9	2252.8	4.82	4.62	4.26	-35.3	-24.1	-40.7	3.14		
20.0	29.60	2316.6	2285.7	2267.5	4.80	4.56	4.21	-34.9	-24.3	-41.8	3.08		
20.5	27.48	2330.8	2299.4	2281.0	4.72	4.53	4.16	-34.4	-24.2	-41.5	3.02		
21.0	25.56	2344.0	2312.2	2293.6	4.58	4.51	4.13	-34.4	-23.7	-42.1	3.00		
21.5	23.78	2356.2	2324.1	2305.3	4.46	4.46	4.10	-34.9	-23.7	-42.9	3.00		
22.0	22.20	2367.4	2335.2	2316.2	4.40	4.37	4.07	-34.8	-23.5	-41.9	2.94		
22.5	20.64	2377.8	2345.5	2326.4	4.37	4.27	4.02	-35.4	-23.8	-42.3	2.88		
23.0	19.24	2387.5	2355.1	2335.9	4.36	4.18	3.93	-36.0	-23.8	-42.3	2.86		
23.5	17.86	2396.5	2364.1	2344.7	4.33	4.12	3.84	-38.6	-23.9	-42.8	2.88		
24.0	16.62	2404.8	2372.4	2353.0	4.31	4.10	3.76	-39.3	-24.0	-42.0	2.82		
24.5	15.60	2412.6	2380.2	2360.7	4.27	4.08	3.70	-35.3	-24.1	-41.5	2.82		
25.0	14.56	2419.9	2387.5	2367.9	4.23	4.07	3.68	-34.2	-24.2	-43.3	2.82		