Voltage Controlled Oscillator ROS-ED10533/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55ºC	+25ºC	+85ºC	-55ºC	+25ºC	+85ºC	F2	F3	F4	
0.2	63.60	1344.9	1308.2	1285.3	10.67	10.58	9.63	-12.2	-31.0	-40.3	1.89
0.3	65.90	1362.5	1324.6	1302.2	10.48	10.53	9.55	-12.7	-31.5	-40.0	1.87
0.5	66.81	1380.0	1341.3	1318.8	10.27	10.41	9.69	-13.3	-32.6	-39.7	1.88
0.6	69.05	1397.6	1358.6	1335.8	10.02	10.24	9.74	-14.1	-33.1	-39.1	1.86
0.8	71.88	1415.4	1376.6	1353.6	9.80	10.11	9.61	-14.8	-34.3	-38.5	1.76
0.9	73.62	1433.8	1395.0	1372.3	9.61	9.95	9.37	-15.5	-35.5	-38.5	1.72
1.1	76.92	1453.5	1414.2	1391.9	9.65	9.75	9.11	-16.4	-37.0	-37.9	1.62
1.2	82.26	1474.7	1434.8	1412.5	9.70	9.58	8.75	-17.3	-38.8	-37.6	1.58
1.4	89.91	1497.0	1457.3	1434.6	9.77	9.42	8.50	-18.3	-41.7	-37.3	1.57
1.5	97.63	1520.6	1481.7	1458.8	9.92	9.16	8.49	-20.0	-44.0	-37.1	1.47
1.7	102.34	1546.1	1507.2	1485.0	9.71	9.12	8.47	-20.9	-48.1	-36.7	1.37
1.8	111.78	1574.3	1535.2	1513.2	9.32	9.08	8.54	-22.2	-49.1	-36.9	1.35
2.0	125.09	1604.8	1566.5	1544.1	9.16	8.88	8.26	-23.9	-46.9	-36.5	1.34
2.1	136.71	1638.4	1600.6	1578.0	9.22	8.87	7.72	-25.7	-42.3	-36.6	1.23
2.3	146.00	1674.6	1637.1	1614.7	9.46	8.62	7.41	-28.2	-40.3	-38.1	1.17
2.4	161.87	1713.9	1677.6	1654.7	9.42	8.36	7.50	-31.7	-39.0	-39.1	1.11
2.6	171.86	1755.0	1720.6	1697.8	8.89	8.37	7.52	-34.9	-38.9	-38.0	1.00
2.7	180.30	1798.3	1765.6	1743.2	8.78	8.23	6.98	-33.9	-37.8	-37.5	0.84
2.9	186.94	1843.0	1812.4	1791.0	8.98	8.20	6.74	-30.5	-37.3	-38.5	0.56
3.0	194.02	1888.8	1860.9	1839.5	8.63	7.94	6.94	-28.6	-35.6	-39.8	0.27
3.2	193.84	1936.7	1909.3	1889.2	7.95	7.62	6.65	-27.4	-33.9	-41.8	0.02
3.3	200.19	1987.8	1959.4	1938.7	7.95	7.39	6.08	-26.9	-32.1	-41.3	0.16
3.5	194.31	2036.1	2008.0	1986.9	8.03	7.28	6.23	-27.8	-30.5	-43.5	0.27
3.6	182.12	2082.4	2053.5	2032.1	7.55	7.34	6.52	-28.6	-29.4	-45.9	0.37
3.8	171.20	2125.1	2096.3	2074.6	7.31	7.20	6.20	-30.1	-28.3	-45.1	0.38
3.9	155.96	2164.7	2135.3	2113.8	7.52	7.11	5.97	-32.1	-27.8	-44.0	0.38
4.1	149.64	2201.3	2172.7	2150.7	7.64	6.78	6.18	-34.2	-27.6	-43.3	0.33
4.2	134.36	2235.3	2206.3	2184.5	7.40	6.85	6.41	-37.5	-28.5	-43.8	0.26
4.4	125.48	2267.1	2237.7	2215.8	7.06	6.97	6.46	-41.5	-29.3	-44.8	0.15
4.5	119.32	2296.5	2267.5	2245.3	6.96	6.94	6.17	-45.0	-30.5	-47.1	0.08
4.7	109.20	2323.7	2294.8	2272.7	7.23	6.92	5.92	-45.5	-32.8	-45.9	0.04
4.8	101.32	2349.3	2320.1	2298.2	7.37	6.93	5.92	-41.8	-33.1	-44.2	0.17
5.0	95.80	2373.5	2344.1	2321.9	7.30	6.77	6.14	-40.4	-33.4	-44.3	0.26
5.1	91.08	2395.7	2366.8	2344.4	7.22	6.66	6.36	-43.9	-33.1	-42.7	0.32
5.3	84.52	2416.7	2388.0	2365.8	7.05	6.70	6.34	-34.7	-33.7	-43.1	0.44
5.4	78.68	2436.6	2407.6	2385.7	6.78	6.71	6.28	-33.4	-33.9	-42.9	0.52
5.6	74.80	2455.6	2426.3	2404.3	6.69	6.66	6.21	-32.9	-32.8	-42.5	0.58
5.7	71.16	2473.6	2444.1	2422.1	6.69	6.65	6.06	-31.6	-33.6	-42.9	0.68
5.9	68.52	2490.5	2461.3	2439.0	6.76	6.67	5.86	-31.0	-33.5	-43.1	0.73
6.0	64.56	2506.3	2477.4	2455.1	6.93	6.67	5.82	-30.5	-34.1	-42.4	0.78

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-71
10	-95
100	-115
1000	-135