

Voltage Controlled Oscillator

ROS-EDR4864/1

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	181.63	1037.9	1004.4	989.5	7.98	7.90	7.46	-18.4	-27.0	-42.1	-1.41	1	-69
1.0	140.42	1105.7	1074.6	1062.3	7.78	7.73	6.88	-18.2	-33.0	-41.3	-0.83	10	-96
1.5	115.71	1162.0	1132.4	1122.9	7.99	7.77	6.98	-17.6	-36.1	-43.1	-0.51	100	-121
2.0	103.68	1211.1	1184.3	1174.8	8.06	7.56	7.19	-17.6	-36.1	-44.0	-0.32	1000	-144
2.5	96.00	1257.3	1232.3	1221.7	7.70	7.41	7.11	-17.5	-33.6	-44.1	-0.19		
3.0	89.60	1301.4	1277.1	1267.6	7.48	7.37	6.78	-19.2	-32.4	-45.9	-0.13		
3.5	84.86	1344.2	1319.5	1311.4	7.33	7.42	6.51	-18.1	-30.6	-46.3	0.00		
4.0	80.64	1383.7	1359.8	1352.6	7.37	7.44	6.66	-17.9	-31.7	-51.2	0.00		
4.5	79.87	1421.9	1399.7	1392.2	7.47	7.24	6.74	-18.4	-31.1	-50.8	0.19		
5.0	79.62	1460.4	1439.6	1430.4	7.36	7.05	6.84	-19.7	-31.9	-51.5	0.19		
5.5	78.98	1499.6	1479.0	1469.7	7.07	6.93	6.68	-20.6	-31.9	-50.6	0.26		
6.0	76.93	1540.2	1517.5	1508.7	6.71	6.94	6.49	-22.7	-33.2	-51.9	0.26		
6.5	74.62	1579.3	1554.8	1548.8	6.86	7.11	6.21	-24.9	-33.7	-51.6	0.26		
7.0	75.78	1618.0	1592.7	1586.3	6.90	7.12	6.36	-25.3	-33.8	-52.3	0.32		
7.5	77.95	1654.1	1631.7	1623.3	7.33	6.99	6.45	-28.0	-35.4	-55.7	0.26		
8.0	75.65	1691.3	1669.5	1659.1	7.48	7.01	6.73	-28.5	-35.7	-50.3	0.26		
8.5	74.11	1728.6	1706.6	1696.3	7.51	7.10	6.74	-30.8	-36.8	-48.5	0.13		
9.0	74.11	1767.9	1743.6	1734.6	7.41	7.19	6.63	-31.5	-38.8	-46.9	0.13		
9.5	74.11	1806.1	1780.7	1773.4	7.36	7.19	6.54	-32.5	-38.5	-47.2	0.00		
10.0	76.03	1843.1	1818.7	1811.4	7.47	7.13	6.46	-30.9	-41.0	-49.7	-0.19		
10.5	77.44	1878.5	1857.4	1848.1	7.60	7.09	6.48	-31.8	-41.9	-52.3	-0.45		
11.0	76.03	1915.6	1895.4	1885.2	7.60	7.01	6.42	-30.7	-42.1	-54.3	-0.70		
11.5	74.62	1952.9	1932.7	1922.9	7.43	6.93	6.28	-31.3	-40.3	-58.1	-0.83		
12.0	75.52	1992.2	1970.5	1961.8	7.30	6.81	6.03	-30.5	-42.0	-59.8	-1.02		
12.5	76.16	2030.0	2008.6	2000.8	7.18	6.59	5.88	-29.9	-40.7	-56.2	-1.28		
13.0	73.73	2066.2	2045.4	2038.6	7.19	6.45	5.69	-30.3	-39.9	-52.9	-1.34		
13.5	71.68	2100.4	2081.3	2073.7	7.02	6.27	5.64	-29.4	-42.8	-51.4	-1.47		
14.0	70.14	2134.5	2116.4	2108.0	6.88	6.05	5.42	-29.9	-43.2	-54.8	-1.66		