

Voltage Controlled Oscillator

ROS-ED8494A/2

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			
0.6	38.68	1326.7	1314.9	1305.1	8.94	8.39	7.70	-10.2	-22.2	-25.7	0.89	1	-75
1.2	31.36	1344.8	1333.7	1324.5	8.80	8.36	7.56	-10.7	-21.8	-27.8	0.89	10	-102
1.8	28.25	1361.4	1350.6	1341.8	8.93	8.30	7.42	-10.7	-22.5	-28.3	0.88	100	-122
2.4	26.51	1377.0	1366.5	1357.9	9.02	8.33	7.59	-10.7	-22.7	-28.0	0.86	1000	-142
3.0	25.52	1392.1	1381.8	1373.4	9.02	8.34	7.70	-11.0	-22.2	-27.5	0.86		
3.6	25.09	1407.1	1396.9	1388.5	8.77	8.36	7.70	-11.0	-21.8	-27.0	0.86		
4.2	25.16	1422.2	1412.0	1403.7	8.65	7.97	7.46	-11.2	-21.5	-26.7	0.85		
4.8	25.58	1437.5	1427.3	1419.1	8.47	8.05	7.33	-11.2	-21.0	-26.5	0.83		
5.4	26.23	1453.2	1443.1	1434.8	8.27	7.80	7.17	-10.7	-20.5	-26.0	0.83		
6.0	27.18	1469.6	1459.4	1451.1	7.99	7.59	7.04	-11.0	-20.0	-25.8	0.82		
6.6	28.28	1486.5	1476.3	1468.1	7.78	7.35	6.74	-11.8	-19.8	-25.7	0.83		
7.2	29.59	1504.3	1494.1	1485.8	7.54	7.43	6.57	-12.0	-19.3	-25.7	0.83		
7.8	31.10	1523.1	1512.8	1504.4	7.65	7.05	6.41	-12.7	-19.0	-25.5	0.82		
8.4	32.78	1542.9	1532.4	1524.0	7.74	7.19	6.57	-13.3	-18.5	-25.2	0.82		
9.0	34.56	1563.8	1553.2	1544.6	7.68	7.19	6.71	-13.8	-18.0	-24.5	0.80		
9.6	36.15	1585.5	1574.9	1566.2	7.45	7.22	6.71	-15.0	-17.5	-24.3	0.77		
10.2	37.16	1608.0	1597.1	1588.4	7.38	7.13	6.67	-15.7	-16.7	-24.2	0.76		
10.8	37.89	1630.8	1619.9	1611.1	7.10	6.91	6.60	-16.5	-15.8	-23.5	0.69		
11.4	37.85	1653.6	1642.6	1633.8	6.80	6.54	6.32	-17.8	-15.3	-23.2	0.61		
12.0	37.50	1676.1	1665.1	1656.2	6.66	6.36	6.11	-18.8	-15.0	-22.8	0.49		
12.6	36.53	1698.2	1687.0	1678.1	6.74	6.37	5.97	-20.0	-14.7	-22.8	0.43		
13.2	35.26	1719.5	1708.2	1699.3	6.85	6.55	6.10	-20.7	-14.5	-23.3	0.36		
13.8	33.62	1739.6	1728.3	1719.7	6.86	6.60	6.16	-21.3	-15.0	-24.7	0.30		
14.4	32.65	1758.7	1747.9	1739.5	6.87	6.51	6.17	-20.7	-16.2	-27.3	0.27		
15.0	32.25	1777.6	1767.3	1758.7	6.62	6.55	6.27	-19.8	-18.8	-32.5	0.34		
15.6	31.18	1796.6	1786.0	1777.0	6.55	6.55	6.30	-19.3	-20.8	-38.2	0.42		
16.2	29.43	1814.9	1803.6	1794.4	6.42	6.36	6.17	-18.8	-21.5	-38.5	0.50		
16.8	27.86	1832.0	1820.4	1810.9	6.52	6.42	6.04	-18.2	-21.2	-36.3	0.53		
17.4	26.43	1848.0	1836.2	1826.6	6.73	6.45	5.96	-17.3	-20.5	-34.7	0.60		
18.0	25.21	1863.2	1851.3	1841.7	6.93	6.53	6.09	-17.0	-20.0	-34.2	0.63		
18.6	24.10	1877.7	1865.8	1856.1	7.00	6.68	6.19	-16.7	-19.7	-33.3	0.66		
19.2	23.14	1891.5	1879.7	1869.9	7.06	6.75	6.30	-16.0	-19.3	-33.2	0.67		
19.8	22.18	1904.7	1893.0	1883.2	7.25	6.85	6.41	-15.5	-19.3	-32.0	0.70		
20.4	21.34	1917.5	1905.8	1896.0	7.35	6.99	6.52	-15.3	-19.2	-31.7	0.71		
21.0	20.64	1929.8	1918.2	1908.4	7.53	7.02	6.71	-14.7	-18.8	-31.2	0.72		
21.6	19.92	1941.8	1930.1	1920.3	7.60	7.28	6.70	-14.7	-18.8	-30.7	0.72		
22.2	19.27	1953.3	1941.7	1931.9	7.53	7.37	6.97	-14.2	-18.7	-30.0	0.71		
22.8	18.63	1964.5	1952.9	1943.0	7.42	7.29	7.05	-13.8	-18.7	-29.5	0.68		
23.4	17.95	1975.2	1963.6	1953.8	7.30	7.19	7.00	-13.3	-18.8	-29.3	0.70		
24.0	17.30	1985.6	1974.0	1964.1	7.18	7.06	6.90	-12.7	-18.7	-28.7	0.67		