Voltage Controlled Oscillator ROS-EDR10432

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	
0.0	26.52	1751.2	1749.4	1748.5	-0.26	0.51	0.59	-24.30	-41.7	-41.6	0.12
0.3	24.74	1757.8	1756.0	1754.9	-0.44	0.39	0.55	-24.66	-41.2	-40.3	0.20
0.5	23.77	1764.1	1762.2	1760.8	-0.60	0.28	0.49	-24.97	-40.2	-38.9	0.27
0.8	23.30	1770.1	1768.1	1766.5	-0.73	0.19	0.44	-25.35	-40.6	-40.2	0.33
1.0	23.32	1776.1	1774.0	1772.1	-0.86	0.10	0.39	-25.72	-41.0	-38.5	0.38
1.3	23.54	1782.1	1779.8	1777.7	-1.00	0.00	0.33	-26.11	-40.9	-37.0	0.44
1.5	23.88	1788.1	1785.7	1783.3	-1.11	-0.10	0.26	-26.52	-40.6	-37.3	0.49
1.8	24.16	1794.2	1791.6	1789.1	-1.20	-0.18	0.20	-26.92	-41.3	-36.6	0.54
2.0	24.85	1800.5	1797.7	1794.9	-1.30	-0.24	0.15	-26.93	-40.9	-35.0	0.57
2.3	25.53	1806.9	1803.9	1800.9	-1.41	-0.33	0.09	-28.03	-39.2	-35.7	0.61
2.5	26.14	1813.4	1810.3	1807.0	-1.51	-0.42	0.02	-28.62	-42.2	-34.2	0.66
2.8	26.73	1820.1	1816.8	1813.4	-1.58	-0.49	-0.05	-29.28	-42.2	-34.3	0.70
3.0	26.94	1826.9	1823.5	1819.8	-1.62	-0.54	-0.10	-29.73	-41.2	-33.4	0.73
3.3	27.60	1833.8	1830.2	1826.5	-1.71	-0.59	-0.14	-30.13	-40.6	-32.4	0.73
3.5	27.99	1840.9	1837.1	1833.1	-1.78	-0.66	-0.19	-30.06	-42.7	-33.9	0.76
3.8	28.19	1848.0	1844.1	1840.0	-1.85	-0.72	-0.25	-30.47	-43.0	-31.6	0.77
4.0	28.32	1855.2	1851.2	1846.9	-1.89	-0.77	-0.30	-30.39	-42.1	-31.4	0.79
4.3	28.02	1862.3	1858.3	1853.8	-1.91	-0.80	-0.34	-29.93	-41.9	-32.0	0.80
4.5	28.04	1869.4	1865.3	1860.8	-1.98	-0.83	-0.37	-29.40	-43.6	-30.6	0.78
4.8	28.01	1876.5	1872.3	1867.6	-2.05	-0.90	-0.40	-28.50	-42.6	-31.5	0.81
5.0	27.92	1883.6	1879.3	1874.5	-2.10	-0.95	-0.47	-27.05	-43.4	-30.3	0.82
5.3	27.81	1890.6	1886.3	1881.4	-2.14	-1.00	-0.51	-25.14	-43.1	-31.2	0.84
5.5	27.33	1897.6	1893.2	1888.3	-2.17	-1.03	-0.54	-23.17	-41.4	-29.6	0.83
5.8	27.70	1904.5	1900.0	1895.1	-2.22	-1.06	-0.55	-21.72	-43.8	-29.4	0.80
6.0	28.31	1911.5	1907.0	1901.8	-2.22	-1.07	-0.56	-19.25	-44.1	-28.2	0.78
6.3	26.47	1918.8	1914.1	1908.6	-1.98	-0.94	-0.50	-16.32	-42.4	-26.1	0.65
6.5	22.90	1925.6	1920.7	1915.2	-1.43	-0.54	-0.28	-14.45	-42.0	-22.5	0.46
6.8	21.43	1931.1	1926.4	1921.0	-0.99	-0.28	-0.05	-14.11	-45.4	-20.6	0.29
7.0	21.43	1936.4	1931.8	1926.4	-0.93	-0.15	0.03	-14.19	-44.3	-19.5	0.18

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-81
10	-106
100	-127
1000	-147

Mini-Circuits
www.minicircuits.com P.O. Box 35166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com