

Voltage Controlled Oscillator

ROS-ED9794/2

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			
0.5	74.79	780.1	766.0	752.6	5.95	5.74	5.43	-15.9	-25.5	-44.6	0.80	1	-75
1.0	82.66	822.3	807.3	793.2	6.06	5.90	5.26	-15.3	-26.7	-45.3	0.68	10	-98
1.5	89.25	867.5	851.9	837.4	6.37	5.77	4.87	-14.6	-28.2	-49.3	0.60	100	-118
2.0	94.09	915.0	899.0	884.3	6.21	5.69	4.84	-14.0	-29.4	-52.3	0.55	1000	-135
2.5	98.47	964.3	948.2	933.7	6.19	5.60	4.37	-13.5	-30.9	-50.2	0.53		
3.0	100.75	1014.8	998.6	984.5	6.25	5.53	4.06	-13.0	-32.3	-44.7	0.48		
3.5	101.59	1065.8	1049.4	1035.9	6.27	5.33	3.88	-12.5	-33.2	-41.6	0.43		
4.0	100.40	1116.1	1099.6	1086.7	6.04	5.18	3.99	-12.2	-34.0	-38.8	0.31		
4.5	97.62	1164.7	1148.4	1136.1	5.81	5.06	3.99	-12.2	-35.1	-37.2	0.23		
5.0	93.64	1211.3	1195.2	1183.5	5.67	5.01	3.95	-12.2	-35.8	-35.7	0.09		
5.5	89.07	1255.3	1239.7	1228.6	5.51	4.75	3.77	-12.6	-35.3	-34.4	0.03		
6.0	83.92	1296.6	1281.7	1271.3	5.29	4.78	3.94	-13.1	-32.8	-35.7	0.16		
6.5	79.61	1335.6	1321.5	1311.7	5.25	4.73	3.91	-14.0	-30.3	-32.2	0.31		
7.0	75.76	1372.8	1359.4	1350.1	5.11	4.67	3.99	-15.1	-28.6	-30.4	0.51		
7.5	72.03	1408.1	1395.4	1386.5	4.99	4.64	4.01	-16.2	-27.5	-29.2	0.69		
8.0	69.11	1442.0	1430.0	1421.3	4.87	4.51	3.93	-17.3	-26.6	-27.7	0.85		
8.5	66.23	1474.4	1463.1	1454.6	4.81	4.50	3.95	-18.5	-26.3	-26.5	1.03		
9.0	63.16	1505.4	1494.7	1486.3	4.92	4.47	3.89	-20.1	-26.0	-25.7	1.19		
9.5	61.09	1535.6	1525.2	1516.9	5.12	4.72	4.12	-21.4	-26.2	-25.2	1.38		
10.0	58.56	1564.4	1554.5	1546.3	5.19	4.77	4.20	-22.6	-26.9	-25.3	1.52		
10.5	56.30	1592.4	1582.6	1574.5	5.41	4.88	4.26	-23.6	-31.0	-26.1	1.68		
11.0	54.72	1619.5	1610.0	1601.9	5.52	5.08	4.45	-24.6	-26.3	-27.4	1.85		
11.5	52.92	1645.8	1636.5	1628.3	5.52	5.05	4.44	-25.6	-26.4	-29.0	1.94		
12.0	50.64	1671.2	1661.8	1653.7	5.60	5.08	4.42	-27.2	-27.2	-28.9	2.08		
12.5	49.20	1695.7	1686.4	1678.4	5.81	5.15	4.39	-28.2	-30.1	-29.7	2.24		
13.0	48.69	1720.0	1710.7	1702.5	5.77	5.20	4.48	-28.9	-30.4	-32.6	2.44		
13.5	47.25	1743.8	1734.3	1726.0	5.70	5.17	4.48	-30.0	-28.1	-35.0	2.42		
14.0	45.07	1766.3	1756.9	1748.5	5.81	5.22	4.47	-31.6	-26.9	-37.8	2.51		
14.5	43.45	1788.1	1778.6	1770.2	6.03	5.39	4.55	-33.0	-25.9	-38.8	2.56		
15.0	42.16	1809.2	1799.7	1791.1	6.17	5.51	4.65	-34.4	-25.4	-37.7	2.60		
15.5	40.63	1829.7	1820.0	1811.5	6.20	5.52	4.66	-35.3	-25.0	-36.6	2.69		
16.0	39.40	1849.5	1839.7	1831.1	6.23	5.52	4.59	-36.0	-24.8	-35.9	2.74		
16.5	37.86	1868.5	1858.6	1850.0	6.23	5.49	4.52	-36.3	-24.6	-35.9	2.77		
17.0	36.43	1886.8	1876.8	1868.2	6.22	5.43	4.42	-36.2	-24.7	-34.9	2.83		
17.5	34.70	1904.3	1894.2	1885.7	6.16	5.38	4.28	-36.0	-24.6	-35.1	2.90		
18.0	33.74	1921.4	1911.1	1902.4	6.10	5.27	4.15	-36.2	-24.6	-35.5	3.01		
18.5	32.29	1937.6	1927.2	1918.6	6.05	5.16	3.94	-36.1	-24.6	-35.4	3.06		
19.0	30.76	1953.1	1942.6	1934.1	5.94	5.07	3.72	-34.9	-24.6	-36.8	3.14		
19.5	29.12	1967.8	1957.1	1948.7	5.87	4.93	3.46	-35.3	-24.9	-37.0	3.18		
20.0	27.53	1981.5	1970.9	1962.7	5.80	4.81	3.14	-34.6	-25.1	-36.4	3.22		