

Voltage Controlled Oscillator

ROS-EDR4788/1

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	69.10	1566.1	1546.3	1536.2	5.83	5.90	5.36	-15.6	-28.1	-41.3	0.58	1	-72
1.0	53.60	1592.7	1573.1	1564.2	5.42	5.86	5.20	-16.4	-28.8	-42.4	0.64	10	-96
1.5	46.50	1616.2	1596.4	1587.8	5.31	5.74	5.09	-16.9	-28.9	-43.5	0.64	100	-119
2.0	43.10	1636.3	1617.9	1610.2	5.41	5.63	4.91	-17.7	-28.9	-45.2	0.70	1000	-140
2.5	40.40	1654.9	1638.1	1630.3	5.24	5.56	4.94	-18.6	-29.5	-46.1	0.77		
3.0	38.90	1675.3	1657.6	1647.9	5.06	5.51	5.09	-19.0	-29.0	-48.2	0.70		
3.5	38.00	1696.0	1676.6	1665.8	4.68	5.45	4.98	-19.8	-29.6	-49.5	0.77		
4.0	36.70	1713.5	1695.0	1686.2	4.89	5.40	4.78	-20.6	-29.8	-53.1	0.70		
4.5	36.40	1729.5	1713.2	1705.7	5.16	5.34	4.60	-21.2	-29.4	-53.7	0.77		
5.0	36.10	1747.1	1731.2	1722.4	5.07	5.35	4.83	-21.9	-30.6	-56.7	0.70		
5.5	35.70	1766.4	1749.1	1738.5	4.78	5.39	5.01	-22.7	-30.1	-57.4	0.70		
6.0	36.00	1785.3	1767.0	1756.7	4.71	5.40	4.95	-23.1	-30.8	-53.2	0.77		
6.5	36.40	1803.7	1785.2	1776.2	4.64	5.40	4.79	-23.4	-31.1	-54.5	0.70		
7.0	36.70	1822.1	1803.6	1795.6	4.50	5.42	4.77	-24.1	-31.1	-54.9	0.83		
7.5	38.00	1840.8	1822.6	1814.7	4.64	5.38	4.74	-24.4	-31.8	-51.5	0.83		
8.0	39.60	1859.7	1842.4	1834.1	4.61	5.36	4.71	-23.7	-32.1	-50.4	0.77		
8.5	41.00	1879.2	1862.9	1853.6	4.46	5.33	4.84	-23.5	-32.5	-52.2	0.77		
9.0	42.90	1902.0	1884.3	1873.1	4.19	5.28	4.85	-23.2	-33.0	-50.3	0.77		
9.5	43.90	1923.6	1906.2	1895.1	3.77	5.24	4.74	-22.9	-33.7	-49.1	0.77		
10.0	45.10	1942.8	1928.8	1920.0	3.84	5.21	4.57	-22.7	-34.2	-52.6	0.83		
10.5	45.70	1964.9	1951.6	1941.5	3.72	5.27	4.62	-22.4	-34.9	-53.1	0.77		
11.0	45.70	1988.8	1974.5	1962.6	2.79	5.34	4.90	-22.3	-35.6	-51.0	0.77		
11.5	46.60	2010.4	1997.8	1987.7	2.75	5.41	4.74	-22.2	-36.9	-56.7	0.70		
12.0	46.80	2035.1	2021.2	2013.3	2.74	5.45	4.78	-22.0	-37.6	-59.3	0.70		
12.5	48.40	2056.6	2045.4	2036.1	3.19	5.43	4.82	-22.0	-39.0	-51.6	0.70		
13.0	49.20	2083.7	2070.0	2059.5	3.41	5.38	4.83	-21.5	-40.1	-49.0	0.64		
13.5	48.90	2107.6	2094.4	2083.2	4.13	5.34	4.85	-21.4	-41.6	-48.9	0.64		
14.0	47.10	2133.1	2118.0	2106.9	4.18	5.40	4.85	-21.6	-43.3	-46.7	0.58		