

Voltage Controlled Oscillator

ROS-EDR4768/1

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	105.60	1517.3	1485.0	1461.7	9.24	9.16	8.59	-20.2	-28.8	-41.6	0.64	1	-67
1.0	92.20	1560.9	1531.1	1505.8	9.06	9.21	8.47	-21.8	-29.9	-43.5	0.58	10	-94
1.5	80.60	1598.4	1571.4	1549.3	8.91	9.31	8.46	-23.4	-31.0	-48.2	0.45	100	-114
2.0	80.60	1644.5	1611.7	1594.9	8.82	9.06	8.04	-24.4	-32.9	-56.6	0.38	1000	-137
2.5	97.40	1695.5	1660.4	1639.1	8.81	8.66	7.67	-25.0	-34.9	-56.7	0.51		
3.0	102.80	1745.2	1711.8	1689.4	9.04	8.63	7.66	-27.6	-35.5	-62.1	0.58		
3.5	102.30	1795.5	1762.9	1741.5	9.04	8.87	7.30	-31.4	-36.4	-67.0	0.51		
4.0	99.80	1849.5	1812.9	1792.3	9.13	9.05	7.40	-38.2	-36.6	-67.0	0.45		
4.5	106.80	1902.5	1866.2	1846.1	9.10	8.92	7.52	-36.7	-36.4	-65.8	0.45		
5.0	117.10	1956.8	1924.8	1902.9	9.44	8.92	7.66	-31.2	-37.1	-59.1	0.38		
5.5	108.90	2010.9	1979.3	1957.0	9.72	9.49	7.66	-28.6	-38.6	-53.5	0.26		
6.0	97.00	2063.6	2027.8	2007.6	10.00	9.86	8.00	-27.6	-40.0	-52.7	0.19		
6.5	101.50	2112.6	2078.5	2059.2	10.14	9.71	8.41	-26.8	-42.5	-49.8	0.19		
7.0	104.10	2158.1	2130.6	2107.7	10.29	9.91	8.67	-26.5	-45.5	-47.5	0.13		
7.5	88.10	2202.4	2174.6	2150.6	10.38	10.19	9.00	-27.6	-49.2	-46.9	0.00		
8.0	79.20	2243.9	2214.2	2194.6	10.50	10.32	9.13	-28.0	-52.8	-44.8	-0.06		
8.5	80.00	2283.0	2254.2	2232.9	10.51	10.35	9.33	-27.7	-57.9	-44.2	-0.06		
9.0	81.40	2320.9	2294.9	2272.8	10.55	10.38	9.40	-28.4	-62.0	-44.0	-0.06		
9.5	74.50	2356.2	2332.2	2307.4	10.51	10.49	9.37	-29.0	-66.8	-45.6	-0.26		
10.0	65.70	2390.4	2365.0	2344.2	10.48	10.46	9.42	-29.1	-65.7	-47.4	-0.32		
10.5	64.10	2422.8	2397.1	2375.6	10.40	10.51	9.25	-29.3	-65.3	-48.8	-0.32		
11.0	63.60	2453.0	2428.9	2409.7	10.35	10.36	9.32	-29.7	-67.3	-51.4	-0.32		
11.5	60.70	2481.2	2459.2	2437.8	10.27	10.25	9.22	-31.2	-67.7	-54.5	-0.19		
12.0	63.90	2512.2	2491.1	2473.3	9.87	9.92	8.97	-32.2	-67.5	-58.3	-0.06		
12.5	58.10	2544.2	2520.2	2500.7	9.42	9.69	8.78	-34.3	-57.7	-59.7	0.00		
13.0	59.50	2574.7	2550.0	2530.0	9.24	9.48	8.52	-33.9	-53.4	-58.5	0.00		
13.5	56.40	2604.1	2578.2	2560.9	9.06	9.31	8.32	-34.7	-51.5	-58.4	0.13		
14.0	56.80	2633.4	2606.6	2583.2	8.87	9.23	8.16	-35.0	-49.6	-57.8	0.13		