

Voltage Controlled Oscillator

ROS-ED12770/1

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			
0.0	94.71	1540.8	1512.7	1494.7	7.23	6.68	6.63	-14.75	-27.50	-41.19	8.50	1	-64
0.5	84.72	1583.7	1558.1	1539.2	7.32	6.75	6.53	-15.65	-28.76	-73.57	8.68	10	-89
1.0	72.66	1620.2	1595.6	1579.4	7.41	7.05	6.59	-15.56	-32.03	-50.04	6.72	100	-109
1.5	93.23	1663.8	1635.8	1617.6	7.22	6.83	6.54	-15.04	-43.06	-61.21	6.96	1000	-129
2.0	93.04	1710.9	1683.6	1664.3	7.23	6.43	5.97	-15.19	-39.96	-58.22	6.45		
2.5	100.63	1762.4	1730.2	1710.8	7.30	6.61	6.04	-15.00	-32.78	-71.98	6.36		
3.0	109.06	1817.1	1785.8	1764.0	7.53	6.59	5.89	-14.98	-30.03	-53.23	6.65		
3.5	124.96	1878.0	1842.2	1820.7	7.23	6.46	5.72	-15.79	-29.50	-50.78	6.60		
4.0	135.34	1943.7	1910.2	1888.1	7.18	6.37	5.54	-17.21	-29.61	-47.03	6.22		
4.5	163.58	2020.3	1986.4	1963.0	7.03	6.29	5.49	-18.44	-32.81	-44.24	5.90		
5.0	188.52	2106.1	2073.1	2050.7	6.77	6.05	5.29	-19.78	-38.83	-43.63	4.20		
5.5	182.90	2192.7	2164.2	2145.3	6.55	5.98	5.30	-21.35	-48.43	-44.04	0.15		
6.0	174.51	2277.3	2252.7	2238.2	6.74	6.00	5.24	-23.55	-46.42	-44.05	3.34		
6.5	164.13	2356.6	2334.8	2324.1	6.54	5.90	5.15	-26.79	-42.78	-39.97	4.38		
7.0	149.67	2430.6	2413.9	2406.4	6.69	5.75	4.86	-32.95	-42.06	-42.44	2.99		
7.5	148.23	2503.1	2490.9	2482.7	6.69	5.49	4.61	-58.42	-40.98	-48.61	1.34		
8.0	136.47	2571.8	2558.5	2550.0	6.35	5.26	4.42	-35.44	-40.32	-52.34	0.28		
8.5	111.51	2634.6	2621.0	2612.8	6.00	4.96	4.18	-29.90	-38.22	-70.88	0.63		
9.0	116.87	2694.6	2678.1	2668.0	5.73	4.83	4.11	-28.30	-39.09	-48.76	1.49		
9.5	100.06	2748.2	2731.5	2721.4	5.32	4.39	3.65	-27.03	-39.09	-62.21	2.01		
10.0	97.52	2798.9	2779.8	2768.9	4.94	4.14	3.46	-26.60	-39.88	-51.58	2.61		
10.5	86.82	2846.2	2827.6	2816.0	4.99	4.39	3.74	-26.12	-39.83	-49.46	3.00		
11.0	88.82	2891.4	2869.8	2857.7	4.60	3.91	3.34	-26.33	-40.73	-53.12	3.54		
11.5	82.68	2934.7	2913.6	2900.6	4.38	3.65	3.01	-26.90	-39.89	-52.75	3.88		
12.0	75.00	2973.7	2952.8	2940.2	4.38	3.55	2.90	-28.17	-39.32	-69.37	4.03		