

Voltage Controlled Oscillator

ROS-ED12577/2

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			
1.0	51.22	1308.5	1290.2	1272.6	4.56	4.41	4.25	-6.9	-37.9	-42.6	1.07	1	-70
2.0	58.86	1362.9	1344.1	1326.6	4.32	4.10	3.72	-7.5	-33.5	-49.5	1.00	10	-95
3.0	72.34	1428.9	1408.4	1389.8	4.13	3.78	3.32	-8.4	-31.1	-58.8	0.94	100	-115
4.0	88.63	1511.0	1488.1	1467.9	4.23	3.44	2.77	-9.8	-29.9	-53.7	0.87	1000	-135
5.0	97.44	1604.0	1581.3	1561.4	4.24	3.20	1.95	-12.6	-34.3	-46.5	0.43		
6.0	99.10	1700.4	1680.3	1662.6	4.37	3.08	1.91	-15.2	-33.4	-60.2	0.34		
7.0	98.67	1798.1	1778.0	1763.4	3.98	3.12	2.03	-18.0	-39.5	-44.4	0.98		
8.0	94.67	1894.0	1873.8	1860.6	4.01	3.23	2.21	-22.1	-40.9	-38.5	1.33		
9.0	90.53	1984.8	1965.3	1952.4	4.11	3.41	2.50	-24.9	-39.9	-36.3	1.55		
10.0	84.91	2071.9	2052.4	2039.1	4.71	3.73	2.86	-25.8	-35.1	-45.4	1.61		
11.0	78.81	2154.1	2134.0	2120.0	4.83	4.00	3.15	-25.8	-34.2	-36.2	1.60		
12.0	72.47	2230.1	2209.0	2194.1	5.11	4.32	3.52	-26.2	-38.4	-36.3	1.52		
13.0	65.28	2299.6	2277.3	2261.3	5.30	4.57	3.94	-27.1	-52.2	-38.5	1.37		
14.0	58.62	2362.0	2338.5	2321.6	5.40	4.78	4.21	-28.7	-39.3	-38.3	1.17		
15.0	51.31	2417.5	2392.9	2375.1	5.70	4.88	4.09	-27.4	-34.0	-34.8	0.93		
16.0	45.60	2466.8	2441.1	2422.5	5.73	5.02	4.39	-28.3	-31.5	-32.7	0.66		
17.0	40.31	2510.2	2483.9	2464.5	5.77	5.15	4.73	-28.9	-30.0	-31.0	0.45		
18.0	35.38	2548.5	2521.4	2501.5	5.67	5.23	4.79	-29.8	-29.0	-29.7	0.26		
19.0	30.95	2582.0	2554.5	2534.0	6.01	5.23	4.83	-30.4	-28.5	-30.0	0.14		
20.0	26.99	2611.6	2583.5	2562.5	5.79	5.24	4.63	-30.8	-27.8	-30.4	0.07		
21.0	23.88	2637.3	2609.0	2587.6	5.95	5.29	4.83	-31.2	-28.5	-31.3	0.17		
22.0	20.78	2659.8	2631.3	2609.6	5.86	5.22	4.70	-31.5	-27.5	-32.5	0.29		
23.0	18.08	2679.3	2650.7	2628.8	5.80	5.27	4.72	-31.6	-28.4	-32.3	0.48		
24.0	15.54	2696.1	2667.5	2645.4	5.83	5.22	4.79	-32.0	-29.0	-33.3	0.52		
25.0	13.29	2710.5	2682.0	2659.7	5.79	5.16	4.76	-32.4	-29.4	-33.7	0.66		
26.0	11.27	2722.9	2694.3	2671.9	5.71	5.14	4.67	-32.5	-29.9	-33.3	0.91		