

Voltage Controlled Oscillator

ROS-ED11920/4

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	94.34	1596.6	1574.6	1553.6	6.84	6.58	6.04	-19.2	-30.9	-51.5	6.78	1	-65
1.0	94.47	1690.2	1665.1	1646.5	6.42	6.17	5.64	-19.0	-42.4	-66.0	6.04	10	-88
2.0	100.99	1790.8	1762.7	1743.1	6.18	5.65	4.89	-19.3	-32.3	-56.6	6.51	100	-108
3.0	117.86	1904.8	1874.0	1853.1	5.75	5.11	4.00	-20.3	-32.9	-49.1	6.79	1000	-128
4.0	139.18	2036.4	2003.6	1982.3	5.47	4.92	3.64	-22.0	-37.1	-42.9	6.58		
5.0	153.37	2181.4	2150.8	2129.1	5.46	4.90	3.55	-22.3	-48.9	-43.7	5.54		
6.0	131.14	2319.2	2296.2	2279.5	5.77	5.17	3.81	-23.0	-44.5	-39.5	2.14		
7.0	122.91	2441.0	2424.8	2415.3	6.03	5.32	4.13	-27.0	-40.7	-38.6	1.04		
8.0	126.37	2565.3	2550.6	2540.9	5.74	5.04	4.07	-38.0	-39.7	-46.8	2.30		
9.0	112.71	2685.6	2667.2	2654.4	5.01	4.48	3.70	-28.5	-33.9	-46.1	3.54		
10.0	99.53	2791.3	2771.6	2757.0	4.52	3.99	3.25	-26.5	-38.0	-45.5	4.39		
11.0	90.43	2887.3	2866.7	2850.7	4.38	3.90	3.35	-27.1	-34.9	-43.7	5.12		
12.0	81.10	2973.8	2953.7	2936.4	3.92	3.36	2.75	-29.4	-41.3	-45.8	5.56		
13.0	76.14	3051.8	3031.4	3012.9	4.12	3.69	3.04	-31.0	-34.3	-63.2	6.12		
14.0	66.96	3122.2	3101.8	3083.6	3.84	3.28	2.63	-33.4	-31.0	-51.2	6.22		
15.0	60.05	3186.6	3167.3	3148.4	3.85	3.63	3.25	-36.9	-28.9	-50.7	6.51		
16.0	57.52	3245.2	3225.0	3205.6	3.15	2.77	2.41	-41.3	-28.6	-52.2	7.09		
17.0	49.43	3297.3	3278.6	3259.1	3.48	3.02	2.41	-45.7	-28.0	-53.0	7.20		
18.0	44.55	3344.2	3324.9	3305.4	3.63	3.41	2.96	-44.1	-28.1	-53.7	7.54		
19.0	41.32	3387.6	3368.6	3348.1	2.99	2.86	2.64	-40.4	-28.9	-59.5	8.07		
20.0	32.86	3424.9	3406.6	3387.0	2.94	2.66	2.35	-38.9	-28.6	-56.0	7.88		
21.0	32.66	3459.6	3440.6	3420.2	2.91	2.54	2.09	-36.9	-29.2	-57.2	8.44		
22.0	29.64	3490.8	3471.9	3450.9	3.06	2.84	2.38	-35.0	-29.9	-55.5	8.74		
23.0	24.70	3517.4	3499.2	3478.4	2.97	2.81	2.48	-34.1	-29.2	-61.0	8.56		
24.0	20.98	3540.5	3522.0	3501.4	2.64	2.46	2.17	-33.4	-29.3	-58.3	8.63		
25.0	17.48	3560.7	3541.1	3520.2	2.34	2.16	1.87	-32.6	-29.8	-54.0	8.92		
26.0	14.32	3577.4	3557.2	3535.4	2.03	1.81	1.51	-32.0	-30.6	-55.2	9.41		
27.0	11.32	3590.4	3570.2	3547.7	1.94	1.72	1.38	-31.4	-31.2	-58.5	9.47		
28.0	8.98	3600.4	3580.4	3557.8	1.92	1.70	1.34	-31.2	-30.9	-58.5	9.57		