

Voltage Controlled Oscillator

ROS-ED12596/2

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			
0.0	83.42	1459.6	1437.1	1418.1	5.18	5.41	5.10	-16.81	-21.40	-32.99	7.35	1	-65
1.0	76.48	1540.7	1516.0	1498.7	5.47	5.37	4.78	-19.22	-20.66	-33.68	7.74	10	-89
2.0	79.81	1615.6	1590.6	1574.4	5.50	5.43	4.82	-20.78	-19.55	-34.53	7.29	100	-109
3.0	91.33	1699.0	1674.6	1658.5	5.80	5.51	4.91	-22.07	-18.71	-36.23	6.72	1000	-129
4.0	139.15	1811.7	1777.1	1760.5	6.07	5.55	5.04	-20.76	-20.70	-50.23	6.08		
5.0	146.23	1966.0	1933.4	1907.1	7.01	6.50	5.52	-18.94	-25.53	-53.37	4.62		
6.0	166.61	2113.7	2085.2	2068.5	6.99	6.55	6.12	-17.55	-23.44	-48.78	2.18		
7.0	141.23	2248.4	2227.5	2211.8	6.74	6.16	5.80	-16.92	-24.06	-67.08	4.74		
8.0	125.61	2369.2	2349.3	2334.6	6.35	5.76	5.43	-19.16	-26.88	-37.85	3.44		
9.0	99.47	2473.6	2451.6	2440.2	5.86	5.35	4.81	-16.27	-31.31	-37.76	1.11		
10.0	79.25	2561.2	2545.4	2533.9	5.97	5.20	4.63	-15.97	-38.71	-35.66	0.88		
11.0	68.49	2637.0	2621.6	2612.3	5.90	5.10	4.41	-16.38	-47.71	-32.00	2.56		
12.0	58.48	2702.2	2690.1	2682.5	5.96	5.12	4.38	-16.83	-54.15	-33.09	3.90		
13.0	51.86	2758.6	2748.3	2742.1	6.03	5.20	4.44	-17.49	-48.47	-34.17	4.86		
14.0	50.68	2810.1	2801.7	2797.1	6.22	5.31	4.48	-18.82	-45.30	-38.06	5.11		
15.0	48.98	2854.5	2848.3	2845.8	6.25	5.36	4.50	-19.82	-44.77	-40.68	4.53		
16.0	44.58	2896.1	2892.5	2891.2	6.17	5.26	4.40	-20.82	-44.38	-43.95	2.78		
17.0	45.13	2944.6	2941.9	2939.9	5.86	5.00	4.22	-21.61	-45.65	-69.30	0.87		
18.0	48.30	2993.5	2988.3	2983.5	5.20	4.58	3.99	-21.38	-45.91	-59.66	0.90		
19.0	43.63	3037.5	3027.1	3020.8	4.48	4.08	3.63	-21.23	-42.57	-55.19	1.60		
20.0	36.79	3083.1	3071.2	3062.3	4.02	3.66	3.26	-20.99	-39.98	-64.22	2.31		
21.0	40.22	3125.2	3111.9	3098.6	3.74	3.45	3.14	-20.84	-37.59	-63.03	3.62		
22.0	26.91	3156.2	3142.9	3132.9	3.24	3.13	2.83	-20.64	-37.82	-58.63	3.16		