

Voltage Controlled Oscillator

ROS-2600-1119+

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			
0.00	62.08	1593.1	1585.0	1570.1	7.78	7.66	6.37	-15.85	-29.62	-34.80	0.98	1	-77
0.30	59.38	1623.8	1616.1	1602.4	7.69	7.52	6.22	-15.88	-30.07	-35.47	1.01	10	-102
2.00	56.27	1711.1	1703.8	1691.7	7.43	7.23	5.98	-16.05	-31.33	-37.38	1.08	100	-124
3.00	56.84	1767.6	1760.1	1748.2	7.28	7.05	5.83	-15.81	-32.27	-41.24	1.12	1000	-144
4.00	56.75	1824.5	1816.9	1804.9	7.07	6.96	5.67	-15.75	-32.22	-38.03	1.18		
5.00	56.68	1881.1	1873.7	1861.9	7.01	6.82	5.73	-16.23	-34.80	-35.57	1.26		
6.00	57.23	1938.1	1930.3	1919.1	6.80	6.72	5.58	-16.36	-33.70	-33.80	1.25		
7.00	57.09	1995.1	1987.6	1975.9	6.59	6.51	5.59	-16.37	-32.06	-33.20	1.28		
8.00	57.35	2052.5	2044.6	2033.3	6.58	6.40	5.52	-17.21	-30.73	-29.45	1.27		
9.00	56.48	2109.8	2102.0	2090.5	6.39	6.35	5.50	-17.22	-29.20	-30.52	1.28		
10.00	54.64	2166.0	2158.5	2147.0	6.34	6.13	5.50	-17.34	-30.24	-34.74	1.24		
11.00	53.58	2220.9	2213.1	2202.3	6.33	6.21	5.43	-18.52	-31.51	-33.37	1.10		
12.00	50.51	2274.3	2266.7	2255.8	6.04	6.09	5.18	-18.54	-29.59	-34.77	0.99		
13.00	47.25	2324.3	2317.2	2305.8	6.01	5.95	5.36	-20.49	-30.98	-32.37	0.86		
14.00	43.70	2371.2	2364.5	2353.2	5.98	5.82	5.29	-19.68	-34.53	-34.39	0.70		
15.00	40.93	2414.8	2408.2	2397.0	6.05	5.80	5.25	-19.22	-31.33	-35.76	0.58		
16.00	39.13	2456.4	2449.1	2438.2	5.71	5.86	5.25	-20.28	-29.91	-41.24	0.49		
17.00	34.67	2493.7	2488.2	2476.0	5.99	5.39	5.19	-19.48	-29.39	-41.65	0.47		
18.00	34.80	2530.5	2522.9	2511.4	5.61	5.83	5.29	-20.43	-29.29	-44.11	0.44		
19.00	29.38	2562.6	2557.7	2544.8	5.95	5.31	5.07	-20.70	-27.26	-44.62	0.47		
20.00	28.63	2594.0	2587.1	2574.8	5.65	5.58	5.25	-21.41	-27.21	-45.71	0.41		
21.00	26.99	2622.0	2615.7	2603.6	5.66	5.54	4.93	-20.53	-26.28	-43.70	0.40		
22.00	23.82	2648.7	2642.7	2629.5	5.59	5.28	4.98	-21.97	-25.41	-43.04	0.35		
23.00	22.38	2672.7	2666.5	2653.9	5.60	5.39	4.88	-22.43	-25.15	-42.43	0.31		
24.00	19.47	2694.6	2688.9	2675.3	5.71	5.22	4.93	-23.27	-24.33	-42.12	0.26		
25.00	18.14	2715.8	2708.4	2694.7	5.36	5.25	5.01	-23.92	-23.51	-42.81	0.21		
26.00	16.82	2733.3	2726.5	2713.2	5.21	5.20	4.86	-25.18	-23.40	-44.73	0.20		
27.00	13.26	2748.9	2743.3	2729.2	5.29	4.75	4.42	-24.78	-25.23	-40.49	0.23		
28.00	11.16	2762.6	2756.6	2742.1	5.35	4.66	4.50	-24.42	-23.76	-42.97	0.24		
29.00	10.05	2774.6	2767.7	2753.5	5.37	4.80	4.56	-26.16	-24.88	-43.40	0.31		
30.00	10.05	2785.6	2777.8	2763.4	5.26	4.91	4.60	-27.35	-25.89	-45.95	0.37		

