

# Voltage Controlled Oscillator

# ROS-2700-1819+

## 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	87.20	1238.8	1216.7	1188.2	3.37	3.60	3.23	-11.7	-23.6	-33.2	4.00	1	-63
0.2	86.49	1251.7	1229.8	1201.7	3.34	3.55	3.15	-12.0	-24.2	-33.0	3.91	10	-89
2.0	79.10	1407.4	1386.3	1362.5	3.22	3.28	2.40	-15.2	-28.1	-30.5	2.76	100	-111
3.0	74.78	1485.1	1465.4	1444.6	3.19	3.25	2.18	-17.3	-26.4	-29.4	2.25	1000	-135
4.0	85.86	1558.5	1540.2	1523.9	3.06	3.12	1.70	-17.5	-26.6	-35.7	0.96		
5.0	84.80	1649.0	1626.1	1608.9	3.60	3.18	1.00	-16.1	-27.1	-35.7	0.30		
6.0	85.72	1734.9	1710.9	1693.9	4.09	3.57	0.91	-16.7	-23.2	-31.9	0.16		
7.0	87.92	1819.5	1796.6	1779.8	4.31	3.83	1.43	-18.1	-21.5	-29.2	0.93		
8.0	90.77	1906.0	1884.5	1867.6	4.38	4.02	2.30	-20.9	-20.8	-26.8	1.86		
9.0	91.96	1995.2	1975.3	1958.4	4.32	4.01	2.85	-23.3	-19.9	-25.5	2.74		
10.0	89.93	2085.9	2067.3	2051.2	4.26	3.98	3.14	-25.9	-19.5	-25.6	3.59		
11.0	84.38	2174.5	2157.2	2142.9	4.17	3.84	3.17	-29.5	-19.8	-25.8	3.98		
12.0	76.57	2257.1	2241.6	2229.5	4.10	3.80	3.18	-35.9	-19.5	-29.1	3.43		
13.0	78.39	2330.1	2318.1	2310.2	4.16	3.69	2.93	-43.1	-21.4	-29.0	1.59		
14.0	75.45	2404.3	2396.5	2388.9	3.94	3.31	2.56	-35.7	-25.4	-33.4	0.37		
15.0	65.85	2483.3	2472.0	2460.9	3.28	2.86	2.29	-28.5	-24.0	-40.4	0.03		
16.0	56.47	2552.4	2537.8	2524.1	2.96	2.68	2.13	-25.1	-22.6	-49.7	0.38		
17.0	51.66	2610.8	2594.3	2580.0	2.68	2.48	2.04	-23.3	-22.3	-42.5	0.62		
18.0	45.55	2662.6	2645.9	2630.7	2.55	2.31	1.80	-22.1	-21.8	-37.4	0.88		
19.0	42.58	2708.3	2691.5	2676.5	2.44	2.24	1.78	-21.4	-21.6	-37.5	1.05		
20.0	38.61	2751.6	2734.1	2717.9	2.28	2.04	1.63	-20.6	-21.8	-35.7	1.37		
21.0	35.48	2789.0	2772.7	2757.7	2.17	1.96	1.52	-20.6	-21.9	-37.7	1.37		
22.0	34.05	2826.1	2808.2	2792.4	2.05	1.79	1.42	-20.1	-21.7	-38.6	1.74		
23.0	31.08	2859.6	2842.2	2826.8	1.97	1.72	1.29	-19.9	-22.0	-39.4	1.83		
24.0	29.17	2890.3	2873.3	2858.3	1.90	1.69	1.24	-19.5	-22.4	-41.8	1.93		
25.0	28.19	2919.9	2902.5	2887.3	1.78	1.57	1.22	-19.5	-22.3	-39.2	2.15		
26.0	26.38	2948.0	2930.7	2915.1	1.68	1.47	1.09	-19.5	-23.0	-38.1	2.38		
27.0	26.38	2973.8	2957.0	2941.8	1.59	1.38	1.01	-19.7	-24.7	-38.8	2.50		

