

# Voltage Controlled Oscillator

# ROS-2800-719+

## 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	82.14	1262.2	1234.9	1211.6	2.91	3.06	3.06	-13.8	-26.4	-31.1	2.99	1	-61
0.5	80.51	1303.5	1276.0	1253.2	2.89	2.96	2.87	-14.6	-26.7	-30.2	2.70	10	-89
2.0	78.07	1424.1	1395.9	1374.1	2.97	2.80	2.43	-15.3	-28.4	-28.9	2.05	100	-112
3.0	77.95	1503.3	1474.0	1452.7	3.17	2.88	2.24	-17.3	-24.4	-31.7	1.86	1000	-136
4.0	77.71	1580.0	1551.9	1532.0	3.29	3.04	2.18	-17.5	-27.0	-33.4	1.86		
5.0	81.47	1658.4	1629.7	1612.0	3.47	3.10	2.22	-19.1	-23.4	-32.2	1.54		
6.0	84.17	1740.2	1711.1	1693.9	3.68	3.24	2.33	-19.3	-23.5	-31.8	1.49		
7.0	88.60	1824.6	1795.3	1779.1	3.88	3.39	2.51	-20.7	-22.2	-31.1	1.22		
8.0	92.47	1912.6	1883.9	1868.6	3.98	3.51	2.77	-22.6	-21.2	-31.4	0.83		
9.0	98.39	2004.8	1976.4	1962.6	4.04	3.49	2.94	-23.8	-22.6	-34.4	0.30		
10.0	98.99	2102.3	2074.8	2061.4	4.09	3.54	2.90	-24.2	-23.0	-31.3	1.52		
11.0	95.49	2202.0	2173.7	2161.3	4.06	3.56	2.95	-24.0	-20.7	-30.1	2.80		
12.0	90.16	2297.0	2269.2	2257.5	3.95	3.45	2.86	-23.8	-21.1	-31.9	3.69		
13.0	83.13	2384.5	2359.4	2347.8	3.77	3.23	2.73	-24.8	-20.8	-31.7	4.28		
14.0	74.30	2468.8	2442.5	2432.2	3.54	3.03	2.50	-24.8	-21.1	-30.3	3.34		
15.0	66.43	2542.0	2516.8	2506.4	3.45	2.89	2.39	-26.0	-21.2	-29.1	3.64		
16.0	60.94	2609.2	2583.3	2573.4	3.21	2.66	2.16	-24.3	-22.8	-29.7	3.44		
17.0	55.87	2669.6	2644.2	2634.0	3.08	2.48	1.96	-24.9	-24.6	-30.0	3.07		
18.0	51.26	2724.4	2700.1	2690.6	2.93	2.28	1.75	-24.6	-23.3	-30.9	2.78		
19.0	47.26	2776.5	2751.3	2742.0	2.67	2.11	1.53	-22.6	-20.6	-32.8	2.21		
20.0	44.66	2822.7	2798.6	2790.1	2.60	1.91	1.31	-22.6	-20.2	-34.6	1.68		
21.0	40.24	2866.2	2843.3	2834.8	2.45	1.77	1.14	-21.9	-21.2	-36.2	1.23		
22.0	39.28	2908.0	2883.5	2875.9	2.23	1.60	0.97	-21.3	-21.9	-38.0	0.88		
23.0	35.46	2946.4	2922.8	2915.8	2.13	1.45	0.77	-21.8	-22.4	-38.9	0.50		
24.0	34.97	2982.7	2958.2	2951.9	2.02	1.33	0.69	-22.1	-23.2	-41.9	0.20		
25.0	32.44	3017.0	2993.2	2987.3	1.91	1.18	0.51	-22.1	-24.8	-41.9	0.10		
26.0	31.25	3049.5	3025.6	3020.0	1.68	1.04	0.37	-22.3	-25.3	-44.1	0.35		
27.0	31.25	3078.9	3056.9	3051.9	1.61	0.83	0.15	-22.6	-24.3	-45.8	0.61		

REV. X2  
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