

# Voltage Controlled Oscillator

# ROS-2770R+

## 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	56.7	1879.9	1858.2	1840.8	6.5	5.4	4.3	-10.5	-25.4	-29.5	1.5	1	-72
0.50	51.9	1906.7	1886.5	1870.8	6.6	5.4	4.2	-10.6	-24.8	-29.9	1.5	10	-100
2.00	46.3	1979.8	1962.0	1949.1	6.6	5.4	4.1	-11.2	-24.2	-29.2	1.5	100	-123
3.00	46.6	2025.4	2008.4	1996.1	6.6	5.3	3.9	-11.6	-24.7	-29.4	1.4	1000	-142
4.00	49.6	2071.5	2055.0	2043.4	6.8	5.4	4.1	-12.6	-22.9	-29.8	1.3		
5.00	51.5	2120.8	2104.6	2093.3	6.6	5.2	4.0	-12.6	-22.0	-29.5	1.3		
6.00	55.3	2171.7	2156.1	2145.5	6.6	5.4	4.3	-13.6	-21.7	-28.1	1.1		
7.00	56.6	2226.3	2211.4	2201.2	6.5	5.2	4.2	-13.9	-21.9	-27.0	1.0		
8.00	57.9	2282.4	2268.0	2258.0	6.5	5.3	4.3	-14.0	-22.1	-25.6	0.8		
9.00	57.4	2339.6	2325.9	2316.2	6.3	5.3	4.3	-15.4	-22.2	-28.0	0.5		
10.00	56.7	2396.1	2383.3	2374.0	6.3	5.3	4.4	-15.9	-23.2	-25.6	0.2		
11.00	54.1	2452.1	2440.0	2431.1	6.0	5.1	4.3	-15.8	-22.8	-26.5	0.1		
12.00	53.5	2505.8	2494.1	2485.7	6.1	5.4	4.6	-18.7	-23.4	-27.8	0.3		
13.00	50.0	2558.2	2547.6	2539.7	5.9	5.1	4.3	-18.7	-23.2	-28.5	0.5		
14.00	48.4	2608.5	2597.6	2589.3	5.7	5.1	4.5	-19.6	-23.5	-30.9	0.7		
15.00	46.1	2656.1	2646.0	2638.4	5.6	4.9	4.3	-20.2	-22.2	-31.3	0.8		
16.00	43.2	2702.3	2692.1	2684.1	5.4	4.9	4.4	-20.1	-22.0	-34.4	1.0		
17.00	40.3	2745.8	2735.3	2726.8	5.4	4.8	4.4	-20.1	-23.4	-35.2	1.1		
18.00	38.5	2785.8	2775.6	2767.5	5.2	4.7	4.3	-20.0	-25.2	-33.5	1.1		
19.00	35.8	2824.0	2814.1	2805.7	5.3	4.6	4.2	-19.6	-25.1	-33.5	1.2		
20.00	34.4	2860.7	2849.9	2841.6	5.1	4.7	4.3	-19.1	-24.1	-34.9	1.2		
21.00	30.9	2894.8	2884.4	2875.9	4.9	4.3	4.0	-19.3	-23.0	-35.1	1.3		
22.00	30.0	2926.2	2915.2	2906.7	5.0	4.5	4.0	-18.9	-22.1	-34.7	1.3		
23.00	26.4	2956.1	2945.2	2936.1	4.7	4.3	3.9	-20.3	-21.2	-35.0	1.4		
24.00	23.1	2982.4	2971.6	2962.9	4.5	4.1	3.8	-20.1	-20.0	-33.7	1.3		
25.00	22.4	3007.0	2994.7	2986.0	4.4	4.1	3.7	-21.2	-20.7	-32.9	1.4		
26.00	18.5	3028.5	3017.0	3007.3	4.4	4.0	3.5	-20.9	-20.5	-31.8	1.3		
27.00	18.5	3047.5	3035.6	3026.3	4.2	3.9	3.6	-21.7	-20.8	-31.4	1.1		

**Notes**

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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