

Voltage Controlled Oscillator

ROS-2470-119+

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	16.8	2397.6	2388.0	2381.7	9.6	9.3	8.6	-18.6	-31.1	-35.0	0.6	1	-80
0.3	17.8	2401.9	2392.2	2386.0	9.7	9.3	8.6	-18.7	-30.5	-39.4	0.6	10	-106
0.5	19.8	2406.6	2396.6	2390.4	9.8	9.4	8.6	-18.8	-30.1	-49.7	0.6	100	-126
0.8	22.4	2411.8	2401.5	2395.1	9.9	9.4	8.7	-18.1	-30.0	-47.0	0.6	1000	-146
1.0	25.4	2417.6	2407.1	2400.4	10.0	9.5	8.7	-17.6	-29.9	-49.4	0.6		
1.3	28.6	2424.3	2413.5	2406.6	10.0	9.5	8.8	-17.7	-31.0	-47.5	0.6		
1.5	32.6	2432.4	2420.6	2413.5	10.0	9.5	8.8	-19.3	-31.4	-46.2	0.5		
1.8	38.3	2442.1	2428.8	2421.3	10.1	9.5	8.9	-22.0	-35.8	-45.0	0.5		
2.0	38.9	2451.3	2438.4	2429.8	10.3	9.5	8.9	-21.3	-38.8	-40.9	0.5		
2.3	34.4	2459.9	2448.1	2439.5	10.3	9.7	8.9	-21.2	-38.9	-40.4	0.2		
2.5	33.0	2468.5	2456.7	2449.1	10.4	9.8	9.1	-21.4	-33.2	-42.1	0.1		
2.8	31.3	2476.9	2464.9	2457.5	10.4	10.0	9.3	-24.6	-31.9	-46.1	0.0		
3.0	28.7	2484.4	2472.8	2465.3	10.3	10.0	9.4	-22.9	-32.6	-42.8	0.2		
3.3	25.1	2491.1	2479.9	2472.5	10.3	10.1	9.5	-21.1	-27.9	-50.3	0.3		
3.5	22.2	2497.3	2486.2	2479.0	10.3	10.1	9.5	-22.5	-25.0	-46.0	0.4		
3.8	19.8	2502.9	2491.8	2484.7	10.3	10.1	9.5	-22.5	-25.7	-49.0	0.4		
4.0	17.2	2507.9	2496.7	2489.7	10.3	10.1	9.5	-22.9	-28.0	-49.8	0.3		
4.3	14.9	2512.5	2501.0	2494.0	10.2	10.1	9.5	-21.4	-28.2	-48.8	0.3		
4.5	12.9	2516.5	2504.7	2497.7	10.2	10.1	9.5	-21.4	-27.2	-48.7	0.2		
4.8	11.2	2519.9	2508.0	2500.9	10.3	10.1	9.5	-21.3	-27.1	-50.4	0.1		
5.0	9.8	2522.6	2510.8	2503.7	10.4	10.0	9.4	-21.4	-27.2	-52.8	0.1		
5.3	8.5	2524.9	2513.2	2506.0	10.4	10.0	9.4	-21.6	-27.4	-51.5	0.2		
5.5	7.4	2526.8	2515.4	2508.0	10.5	10.0	9.4	-21.6	-27.6	-49.1	0.3		
5.8	6.5	2528.4	2517.2	2509.7	10.5	10.0	9.4	-22.1	-27.7	-49.0	0.4		
6.0	5.7	2529.8	2518.8	2511.3	10.5	10.0	9.4	-22.3	-27.9	-48.2	0.4		
6.3	5.0	2531.1	2520.3	2512.7	10.6	10.0	9.3	-22.3	-28.1	-48.9	0.4		
6.5	4.4	2532.2	2521.5	2513.9	10.6	10.0	9.3	-22.5	-28.2	-49.6	0.5		
6.8	4.0	2533.2	2522.6	2515.0	10.6	10.0	9.3	-22.5	-28.3	-50.2	0.5		
7.0	4.0	2534.1	2523.6	2516.1	10.6	10.0	9.3	-22.5	-28.3	-50.3	0.5		

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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