

Voltage Controlled Oscillator

ROS-3150R+

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	131.0	2340.9	2319.8	2301.6	4.1	4.4	4.4	-24.4	-26.4	-27.1	1.8	1	-67
0.5	103.4	2403.1	2385.3	2368.9	4.5	4.6	4.5	-26.0	-27.0	-26.7	2.0	10	-95
1.0	89.5	2453.4	2437.0	2422.3	4.6	4.5	4.7	-25.8	-28.8	-28.7	2.4	100	-117
1.5	80.5	2497.2	2481.8	2468.0	4.8	4.9	5.0	-29.2	-30.9	-30.0	2.5	1000	-137
2.0	75.7	2537.5	2522.0	2508.6	4.6	4.7	5.1	-31.9	-32.2	-30.5	2.9		
2.5	70.2	2574.4	2559.9	2546.9	5.2	5.1	4.9	-37.1	-36.7	-31.8	3.0		
3.0	68.7	2609.9	2595.0	2581.9	4.7	5.0	5.4	-36.4	-37.4	-30.2	3.2		
3.5	65.5	2644.0	2629.3	2616.3	4.9	4.9	5.0	-31.4	-40.3	-30.0	3.3		
4.0	64.3	2676.4	2662.0	2649.6	5.2	5.2	5.1	-28.7	-42.7	-32.3	3.2		
4.5	64.0	2708.8	2694.2	2681.6	4.8	5.0	5.3	-26.7	-46.5	-32.9	3.3		
5.0	63.1	2740.3	2726.2	2713.9	5.2	5.0	5.0	-26.7	-47.0	-34.7	3.1		
5.5	64.1	2772.1	2757.8	2745.4	4.9	5.2	5.3	-25.1	-47.0	-35.3	3.0		
6.0	63.8	2803.9	2789.8	2777.5	5.1	5.0	5.0	-23.3	-45.9	-38.6	3.1		
6.5	65.0	2836.0	2821.7	2809.5	4.9	5.2	5.2	-23.0	-43.0	-43.9	3.1		
7.0	66.8	2868.5	2854.2	2842.0	4.8	5.0	5.0	-21.8	-39.5	-42.0	3.1		
7.7	69.5	2914.1	2899.9	2887.7	5.0	5.0	5.0	-21.5	-35.2	-36.1	3.2		
8.0	71.8	2935.9	2921.8	2909.7	4.8	5.2	5.1	-21.0	-34.0	-35.4	3.2		
8.5	75.4	2972.0	2957.7	2945.2	4.7	4.7	4.8	-19.9	-32.0	-32.1	3.3		
9.0	79.0	3009.5	2995.3	2983.2	4.8	4.9	4.7	-20.3	-32.5	-34.9	3.4		
9.5	83.1	3049.3	3034.9	3022.4	4.6	4.8	4.7	-20.0	-32.5	-35.0	3.6		
10.0	83.0	3090.5	3076.4	3064.2	4.7	4.8	4.6	-18.5	-32.6	-39.6	3.7		
10.5	85.8	3131.1	3117.9	3106.8	4.6	4.8	4.6	-18.1	-29.8	-43.5	3.6		
11.0	90.6	3174.2	3160.8	3149.9	4.4	4.7	4.6	-18.4	-31.1	-46.8	3.4		
11.5	90.6	3219.7	3206.1	3194.7	4.4	4.4	4.2	-18.8	-31.3	-48.9	2.9		
12.0	89.8	3265.1	3251.4	3239.8	4.0	4.4	4.4	-18.4	-33.6	-51.2	2.1		
12.5	87.0	3310.1	3296.3	3284.9	4.0	4.1	3.9	-18.0	-34.5	-53.7	1.0		
13.0	84.6	3353.9	3339.8	3328.3	3.6	4.2	4.1	-18.5	-33.7	-55.9	0.1		
13.5	77.6	3396.1	3382.1	3370.2	3.6	3.8	3.6	-19.7	-33.4	-63.1	1.2		
14.0	77.6	3435.3	3421.0	3408.9	3.5	4.0	3.8	-21.7	-31.7	-55.3	2.4		

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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