

Voltage Controlled Oscillator

ROS-2952+

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	119.7	2644.7	2626.0	2612.7	4.3	4.6	4.7	-23.6	-42.7	-46.2	0.1	1	-72
0.3	108.9	2673.3	2656.0	2643.7	4.4	4.6	4.6	-23.3	-42.1	-46.2	0.6	10	-98
0.5	103.2	2700.0	2683.2	2671.4	4.3	4.6	4.7	-23.9	-43.4	-46.4	0.9	100	-120
0.8	98.4	2725.2	2709.0	2697.5	4.5	4.6	4.7	-24.4	-44.3	-48.5	1.2	1000	-140
1.0	96.1	2749.6	2733.6	2722.3	4.3	4.8	4.8	-24.6	-42.8	-48.0	1.3		
1.3	94.9	2773.7	2757.6	2746.4	4.2	4.6	4.8	-23.2	-42.5	-49.2	1.4		
1.5	92.7	2797.2	2781.3	2770.1	4.4	4.6	4.6	-23.2	-42.7	-50.5	1.4		
1.8	92.0	2820.4	2804.5	2793.4	4.5	4.7	4.7	-23.8	-41.2	-51.0	1.4		
2.0	91.7	2843.4	2827.5	2816.3	4.4	4.8	4.9	-22.9	-41.1	-51.3	1.2		
2.3	92.1	2866.6	2850.4	2839.1	4.2	4.7	4.8	-22.6	-42.0	-50.8	1.0		
2.5	90.6	2889.7	2873.5	2861.9	4.3	4.5	4.7	-22.3	-42.5	-51.3	0.7		
2.8	89.7	2912.6	2896.1	2884.5	4.6	4.7	4.6	-22.2	-42.8	-53.7	0.4		
3.0	88.3	2935.6	2918.5	2906.7	4.5	4.9	4.9	-22.2	-41.8	-54.7	0.1		
3.3	82.9	2957.7	2940.6	2928.6	4.4	4.8	5.0	-22.1	-42.5	-54.4	0.2		
3.5	75.1	2978.0	2961.3	2949.5	4.5	4.7	4.8	-21.7	-43.6	-59.0	0.5		
3.8	68.2	2996.6	2980.1	2968.6	4.6	4.8	4.8	-21.8	-41.6	-61.6	0.6		
4.0	60.4	3013.2	2997.2	2985.8	4.6	4.9	4.9	-21.2	-41.6	-57.8	0.6		
4.3	53.7	3028.0	3012.3	3001.2	4.7	4.9	5.0	-21.9	-41.9	-57.7	0.6		
4.5	47.5	3041.0	3025.7	3014.8	4.6	5.0	5.0	-22.0	-43.3	-60.0	0.4		
4.8	42.0	3052.6	3037.6	3026.9	4.6	5.0	5.1	-22.4	-42.7	-58.5	0.2		
5.0	37.5	3062.8	3048.1	3037.6	4.5	5.0	5.1	-22.8	-42.1	-58.4	0.1		
5.3	33.4	3071.9	3057.5	3047.2	4.6	4.9	5.1	-22.0	-40.1	-57.2	0.3		
5.5	29.9	3080.0	3065.8	3055.7	4.6	4.9	5.0	-21.4	-39.9	-59.0	0.6		
5.8	26.9	3087.3	3073.3	3063.3	4.7	4.9	5.0	-21.8	-40.3	-65.4	0.9		
6.0	24.5	3093.9	3080.0	3070.1	4.8	4.9	5.0	-22.7	-39.9	-55.3	1.2		
6.3	22.2	3099.8	3086.1	3076.3	4.8	5.0	5.0	-22.8	-39.0	-56.6	1.5		
6.5	20.2	3105.2	3091.7	3081.9	4.9	5.0	5.0	-23.5	-39.9	-54.9	1.8		
6.8	18.6	3110.2	3096.7	3087.0	4.9	5.1	5.1	-23.4	-41.1	-51.2	2.0		
7.0	18.6	3114.7	3101.4	3091.8	4.9	5.1	5.1	-23.3	-41.7	-53.3	2.2		

Notes

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