

Voltage Controlled Oscillator

ROS-3305C-1+

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)
		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	F2	F3	F4			
0.0	8.7	3292.4	3285.7	3281.1	8.4	7.9	7.4	-27.5	-38.7	-32.7	0.5	1	-86
0.3	8.1	3294.6	3287.9	3283.4	8.4	7.9	7.5	-27.5	-39.1	-32.3	0.6	10	-111
0.5	7.8	3296.6	3289.9	3285.4	8.4	7.9	7.5	-27.0	-39.7	-31.8	0.6	100	-132
0.8	7.6	3298.5	3291.9	3287.4	8.4	7.9	7.6	-27.1	-40.0	-31.4	0.6	1000	-150
1.0	7.6	3300.4	3293.8	3289.2	8.4	8.0	7.6	-27.2	-39.7	-31.2	0.6		
1.3	7.7	3302.3	3295.7	3291.1	8.4	8.0	7.7	-27.3	-39.4	-31.1	0.6		
1.5	7.8	3304.3	3297.6	3293.0	8.4	8.0	7.7	-27.5	-38.8	-31.0	0.6		
1.8	8.0	3306.3	3299.5	3294.9	8.4	8.0	7.7	-27.5	-38.1	-31.0	0.6		
2.0	8.2	3308.3	3301.5	3296.9	8.4	8.0	7.8	-27.5	-37.7	-31.1	0.6		
2.3	8.5	3310.4	3303.6	3298.9	8.4	8.0	7.8	-27.6	-37.2	-31.3	0.6		
2.5	8.8	3312.5	3305.7	3301.0	8.5	8.1	7.8	-27.8	-37.0	-31.1	0.6		
2.8	9.0	3314.6	3307.9	3303.1	8.5	8.1	7.8	-28.0	-36.9	-30.8	0.6		
3.0	9.2	3316.8	3310.2	3305.4	8.5	8.1	7.9	-28.3	-37.3	-30.6	0.6		
3.3	9.2	3319.0	3312.5	3307.6	8.5	8.1	7.9	-28.7	-37.8	-30.4	0.5		
3.5	9.0	3321.3	3314.8	3309.9	8.5	8.2	8.0	-29.1	-38.1	-30.2	0.5		
3.8	8.7	3323.6	3317.0	3312.2	8.4	8.2	8.0	-28.9	-37.9	-30.0	0.5		
4.0	8.5	3325.9	3319.2	3314.5	8.4	8.2	8.0	-28.5	-37.6	-29.7	0.4		
4.3	8.0	3328.0	3321.3	3316.7	8.4	8.2	8.1	-28.2	-37.5	-29.3	0.4		
4.5	7.4	3330.0	3323.3	3318.7	8.4	8.2	8.1	-27.9	-37.2	-29.2	0.4		
4.8	6.7	3331.8	3325.2	3320.5	8.4	8.2	8.2	-27.9	-36.9	-29.0	0.4		
5.0	6.0	3333.5	3326.9	3322.2	8.3	8.2	8.2	-28.0	-36.7	-28.8	0.4		
5.3	5.3	3334.9	3328.4	3323.7	8.3	8.2	8.2	-28.0	-36.5	-28.8	0.3		
5.5	4.7	3336.2	3329.7	3325.1	8.3	8.2	8.2	-28.1	-36.4	-28.7	0.4		
5.8	4.1	3337.4	3330.8	3326.2	8.3	8.2	8.2	-28.3	-36.5	-28.8	0.4		
6.0	4.1	3338.4	3331.9	3327.3	8.3	8.2	8.2	-28.4	-36.5	-28.9	0.4		

Notes

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