

Voltage Controlled Oscillator

ROS-3550+

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	106.1	3267.0	3245.0	3228.5	3.0	2.9	2.8	-21.7	-31.5	-47.1	1.1	1	-71
0.3	95.3	3292.2	3271.6	3255.3	3.0	3.0	2.8	-22.9	-31.2	-47.7	1.5	10	-98
0.5	88.3	3315.0	3295.4	3280.2	3.1	3.0	2.8	-23.7	-31.1	-48.9	1.7	100	-120
0.8	89.1	3337.8	3317.5	3302.7	3.0	3.0	2.8	-23.4	-32.8	-48.8	1.8	1000	-140
1.0	85.2	3359.5	3339.7	3324.2	3.0	3.0	2.8	-23.4	-33.7	-47.9	2.0		
1.3	83.2	3380.5	3361.0	3346.1	3.0	3.0	2.8	-23.1	-34.5	-47.4	2.0		
1.5	80.7	3400.7	3381.8	3367.0	3.0	3.0	2.9	-22.3	-34.7	-47.2	1.9		
1.8	84.5	3422.3	3402.0	3387.4	3.0	3.0	2.8	-22.1	-35.7	-46.2	1.9		
2.0	80.6	3442.8	3423.1	3407.3	3.0	3.0	2.8	-21.7	-37.7	-45.4	1.9		
2.3	78.0	3462.7	3443.3	3428.1	3.0	3.0	2.8	-22.1	-38.1	-45.6	1.8		
2.5	75.4	3482.1	3462.8	3447.8	3.0	3.0	2.8	-21.3	-39.3	-46.0	1.6		
2.8	75.8	3501.8	3481.6	3466.8	2.9	3.0	2.8	-21.6	-40.5	-45.5	1.4		
3.0	70.7	3520.1	3500.6	3485.1	2.9	3.0	2.8	-21.4	-42.5	-45.7	1.2		
3.3	66.4	3537.6	3518.3	3503.3	2.9	3.0	2.8	-21.8	-42.0	-45.4	0.9		
3.5	62.4	3554.3	3534.9	3520.0	2.8	3.0	2.8	-21.9	-42.4	-45.5	0.8		
3.8	58.7	3570.0	3550.5	3535.7	2.8	2.9	2.8	-22.5	-41.8	-46.2	0.7		
4.0	52.8	3584.2	3565.1	3550.2	2.7	2.9	2.7	-22.7	-41.5	-45.9	0.7		
4.3	47.3	3597.1	3578.3	3563.8	2.7	2.8	2.7	-22.6	-40.8	-46.3	0.7		
4.5	42.4	3608.7	3590.2	3575.9	2.7	2.8	2.6	-22.9	-41.2	-45.9	0.9		
4.8	38.0	3619.6	3600.8	3586.7	2.6	2.8	2.6	-22.9	-40.4	-46.9	1.0		
5.0	35.3	3629.0	3610.3	3596.4	2.7	2.8	2.6	-23.6	-40.9	-45.4	1.2		
5.3	31.3	3637.3	3619.1	3605.0	2.7	2.7	2.5	-23.9	-40.9	-44.8	1.4		
5.5	27.6	3644.6	3626.9	3612.8	2.6	2.8	2.5	-23.4	-39.4	-45.1	1.5		
5.8	24.9	3651.3	3633.8	3620.0	2.6	2.8	2.5	-23.4	-39.7	-45.0	1.7		
6.0	22.7	3657.4	3640.0	3626.6	2.6	2.8	2.5	-23.2	-40.2	-44.8	1.8		
6.3	20.7	3662.9	3645.7	3632.4	2.6	2.8	2.5	-23.4	-40.4	-45.3	1.9		
6.5	19.1	3668.0	3650.9	3637.7	2.6	2.7	2.5	-23.5	-39.5	-45.5	2.0		
6.8	17.8	3672.6	3655.6	3642.5	2.6	2.7	2.5	-23.4	-39.2	-43.9	2.1		
7.0	17.8	3676.9	3660.1	3647.1	2.6	2.7	2.5	-23.3	-39.3	-44.0	2.2		

Notes

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