

Voltage Controlled Oscillator

ROS-3800+

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	110.4	3530.8	3511.3	3492.7	4.5	4.3	3.5	-32.7	-35.8	-38.5	0.9	1	-72
0.3	98.0	3557.2	3538.9	3521.5	3.9	4.5	4.1	-32.8	-39.5	-39.0	0.3	10	-98
0.5	92.3	3581.2	3563.4	3547.1	4.5	4.1	4.2	-33.1	-43.7	-36.9	0.0	100	-119
0.8	89.5	3604.3	3586.5	3570.1	4.5	4.5	3.9	-34.0	-44.9	-35.6	0.2	1000	-139
1.0	85.9	3626.3	3608.9	3592.4	4.2	4.5	4.2	-35.5	-41.1	-34.5	0.3		
1.3	83.7	3647.7	3630.4	3614.1	4.5	4.3	4.2	-35.3	-37.7	-33.5	0.3		
1.5	83.6	3668.9	3651.3	3634.9	4.4	4.6	4.1	-36.6	-37.3	-32.6	0.2		
1.8	78.4	3688.9	3672.2	3655.3	4.0	4.5	4.4	-36.7	-38.1	-32.7	0.1		
2.0	80.1	3709.4	3691.8	3675.8	4.4	4.2	4.3	-38.0	-38.1	-31.9	0.2		
2.3	77.4	3729.2	3711.8	3694.9	4.5	4.5	3.9	-40.5	-38.5	-32.2	0.5		
2.5	76.4	3748.9	3731.2	3714.3	4.3	4.6	4.2	-42.9	-38.6	-34.0	0.8		
2.8	71.6	3767.3	3750.3	3733.1	3.8	4.6	4.4	-45.8	-39.8	-34.8	1.2		
3.0	70.7	3785.6	3768.2	3751.6	4.1	4.0	4.5	-40.7	-37.1	-33.9	1.5		
3.3	68.2	3803.3	3785.8	3769.1	4.2	4.3	3.7	-46.4	-38.2	-34.5	1.8		
3.5	65.8	3820.4	3802.9	3785.8	4.3	4.4	4.0	-40.8	-34.4	-34.7	2.0		
3.8	62.3	3836.9	3819.3	3802.0	3.7	4.5	4.2	-39.2	-32.4	-35.7	2.1		
4.0	58.0	3852.1	3834.9	3817.8	3.7	4.3	4.2	-36.3	-32.6	-36.7	2.3		
4.3	53.7	3866.6	3849.4	3832.2	3.7	4.0	4.3	-35.2	-33.4	-37.5	2.2		
4.5	51.0	3880.2	3862.8	3846.1	3.8	4.0	3.8	-34.0	-30.6	-37.7	2.3		
4.8	44.6	3892.3	3875.6	3858.4	3.8	4.0	3.8	-31.8	-33.9	-39.5	2.1		
5.0	41.3	3903.9	3886.7	3869.9	3.6	4.1	3.8	-33.8	-31.1	-40.1	1.9		
5.3	38.7	3914.5	3897.0	3880.5	3.6	4.0	3.8	-32.6	-31.1	-41.6	1.7		
5.5	34.9	3923.3	3906.7	3889.7	3.6	3.9	3.9	-31.0	-32.6	-42.0	1.4		
5.8	28.9	3931.4	3915.4	3898.1	3.5	3.8	3.9	-29.4	-30.4	-43.4	1.0		
6.0	26.3	3938.9	3922.7	3905.9	3.5	3.9	3.8	-29.8	-32.8	-43.3	0.8		
6.3	24.4	3945.7	3929.2	3913.1	3.5	3.9	3.7	-30.1	-32.9	-44.1	0.5		
6.5	22.3	3951.8	3935.3	3919.4	3.5	3.8	3.7	-29.7	-31.5	-44.7	0.3		
6.8	20.5	3957.0	3940.9	3924.8	3.6	3.8	3.7	-29.1	-31.4	-45.1	0.0		
7.0	20.5	3961.7	3946.0	3929.6	3.5	3.8	3.7	-28.4	-32.5	-45.5	0.2		

Notes

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