

Voltage Controlled Oscillator

ROS-5150-119+

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	128.2	4793.9	4761.3	4748.7	3.4	2.8	2.3	-32.3	-51.0	-39.8	3.0	1	-69
0.3	118.2	4826.9	4793.4	4781.6	3.1	3.0	2.6	-31.3	-51.7	-41.5	2.6	10	-95
0.5	107.7	4853.7	4822.9	4811.8	3.5	2.8	2.7	-30.8	-52.9	-42.5	2.5	100	-116
0.8	100.9	4879.9	4849.9	4840.9	3.8	3.0	2.7	-28.1	-53.9	-42.3	2.0	1000	-136
1.0	96.7	4905.7	4875.1	4864.5	3.5	3.5	3.0	-28.6	-55.4	-46.3	2.1		
1.3	101.6	4929.8	4899.3	4889.1	3.5	3.4	3.3	-29.0	-55.2	-46.7	2.1		
1.5	87.0	4952.5	4924.7	4914.3	3.7	3.3	3.0	-26.8	-54.5	-47.0	1.8		
1.8	85.9	4974.1	4946.4	4936.7	3.8	3.3	2.9	-28.2	-55.2	-44.3	2.0		
2.0	92.0	4997.5	4967.9	4958.8	3.9	3.5	3.1	-27.0	-54.6	-42.6	1.8		
2.3	85.2	5018.8	4990.9	4980.0	3.8	3.6	3.3	-27.8	-55.6	-42.5	2.0		
2.5	83.9	5042.9	5014.7	5005.3	3.7	3.5	3.3	-27.5	-56.2	-41.5	1.9		
2.8	84.6	5061.1	5033.1	5023.7	3.7	3.4	3.2	-27.5	-55.2	-41.2	1.9		
3.0	78.7	5080.9	5054.3	5044.8	3.8	3.3	3.0	-28.3	-56.5	-41.2	1.8		
3.3	76.6	5100.6	5073.9	5064.6	3.8	3.4	3.0	-27.2	-56.8	-41.2	1.9		
3.5	85.4	5122.4	5093.1	5083.9	3.6	3.5	3.2	-27.8	-53.2	-41.5	1.9		
3.8	72.5	5141.0	5114.4	5102.7	3.6	3.4	3.2	-28.9	-50.6	-42.8	2.8		
4.0	72.1	5159.0	5132.5	5124.1	3.4	3.1	3.1	-26.5	-47.9	-43.0	1.9		
4.3	68.0	5176.3	5150.6	5140.9	3.4	3.1	2.8	-28.2	-48.2	-43.8	1.9		
4.5	65.9	5196.2	5167.6	5158.5	3.4	3.1	2.9	-27.1	-47.9	-45.1	1.9		
4.8	77.9	5212.4	5184.0	5175.0	3.5	3.1	2.8	-26.2	-44.6	-46.7	1.8		
5.0	58.9	5228.8	5203.5	5191.1	3.5	3.1	2.8	-26.8	-45.9	-46.2	1.7		
5.3	63.0	5244.1	5218.2	5209.4	3.3	3.1	2.8	-26.1	-45.3	-46.9	1.7		
5.5	58.0	5259.4	5234.0	5224.0	3.1	3.1	2.8	-25.7	-49.0	-47.1	1.6		
5.8	57.5	5274.9	5248.5	5239.4	3.0	2.9	2.8	-23.7	-45.9	-45.3	1.5		
6.0	58.9	5289.3	5262.8	5253.4	3.1	2.7	2.6	-24.3	-49.1	-46.2	1.4		
6.3	54.4	5303.3	5277.6	5267.3	3.1	2.7	2.4	-23.3	-48.0	-46.8	1.3		
6.5	52.5	5316.1	5291.2	5281.4	3.1	2.7	2.3	-21.6	-49.7	-45.2	1.2		
6.8	48.9	5330.1	5304.3	5294.2	3.0	2.8	2.3	-22.7	-50.1	-45.8	1.0		
7.0	48.9	5342.6	5316.5	5307.1	3.0	2.7	2.4	-22.4	-49.9	-47.6	1.0		

Notes

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