

Voltage Controlled Oscillator

ROS-5815C-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)
		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	F0.5	F1.5	F2			
0.00	84.7	5592.8	5571.8	5560.0	2.5	0.6	-0.7	-33.4	-45.0	-25.0	0.8	1	-74
0.25	76.6	5612.3	5593.0	5582.0	3.1	1.1	-0.4	-33.5	-44.4	-25.1	1.0	10	-102
0.50	72.0	5630.5	5612.1	5601.7	3.5	1.7	0.3	-33.6	-45.2	-25.6	1.0	100	-125
0.75	70.6	5648.3	5630.1	5620.0	3.6	2.1	0.9	-33.7	-46.3	-26.1	1.1	1000	-145
1.00	70.6	5666.0	5647.7	5637.6	3.7	2.4	1.3	-33.5	-46.6	-25.8	1.1		
1.25	70.4	5683.5	5665.4	5655.1	4.1	2.5	1.4	-33.2	-43.3	-27.2	1.2		
1.50	69.3	5700.4	5683.0	5672.8	4.6	2.9	1.6	-33.5	-44.1	-25.4	1.2		
1.75	69.2	5717.4	5700.3	5690.3	5.0	3.3	2.1	-33.9	-43.7	-29.3	1.2		
2.00	70.8	5734.8	5717.6	5707.6	5.0	3.7	2.5	-34.3	-42.8	-25.8	1.3		
2.25	74.0	5753.2	5735.3	5725.2	5.0	3.8	2.9	-34.4	-40.3	-28.7	1.3		
2.50	75.7	5771.6	5753.8	5743.2	5.3	3.9	2.9	-34.2	-40.3	-27.0	1.4		
2.75	76.0	5790.1	5772.7	5762.1	5.7	4.1	3.0	-34.0	-39.4	-28.7	1.4		
3.00	76.5	5809.0	5791.7	5781.2	5.9	4.4	3.3	-33.8	-37.5	-29.4	1.3		
3.25	78.1	5828.5	5810.8	5800.4	5.6	4.6	3.6	-33.5	-37.0	-28.7	1.1		
3.50	79.2	5848.3	5830.4	5819.7	5.6	4.4	3.7	-33.0	-36.3	-30.6	0.8		
3.75	76.3	5867.6	5850.2	5839.4	5.8	4.3	3.4	-32.6	-34.2	-28.6	0.3		
4.00	72.2	5886.2	5869.2	5858.9	5.7	4.4	3.3	-32.6	-34.1	-31.2	0.4		
4.25	68.6	5904.1	5887.3	5877.4	5.5	4.4	3.5	-32.5	-32.9	-31.2	1.3		
4.50	64.0	5921.0	5904.4	5894.7	5.2	4.1	3.4	-31.8	-35.3	-30.9	2.1		
4.75	58.0	5936.3	5920.4	5910.9	5.1	3.8	3.0	-31.3	-34.3	-32.2	2.9		
5.00	51.6	5950.2	5934.9	5925.7	5.0	3.7	2.8	-30.7	-32.2	-32.9	3.4		
5.25	46.0	5962.8	5947.8	5938.9	4.8	3.7	2.7	-30.4	-34.0	-31.2	3.7		
5.50	40.8	5974.2	5959.3	5950.6	4.4	3.5	2.6	-29.9	-36.0	-32.0	3.7		
5.75	35.9	5984.3	5969.5	5960.9	4.2	3.2	2.5	-29.4	-35.1	-34.4	3.6		
6.00	31.1	5993.0	5978.5	5969.9	4.0	2.9	2.2	-29.0	-32.8	-34.7	3.2		
6.25	26.8	6000.6	5986.3	5977.6	3.9	2.6	2.0	-28.6	-31.7	-31.2	2.7		
6.50	23.2	6007.2	5993.0	5984.4	3.8	2.5	1.7	-28.5	-32.7	-30.2	2.2		
6.75	20.1	6012.9	5998.8	5990.3	3.7	2.4	1.5	-28.4	-34.0	-31.7	1.7		
7.00	20.1	6017.8	6003.8	5995.3	3.6	2.3	1.4	-28.3	-34.7	-33.4	1.2		

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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