

Voltage Controlled Oscillator

ROS-6030C-219R+

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	F0.5	F1.5	F2			
0.00	63.2	5808.7	5796.1	5782.6	3.9	2.7	1.3	-41.3	-45.3	-30.4	0.2	1	-73
0.25	58.2	5823.6	5811.9	5799.2	4.1	2.9	1.5	-41.2	-45.1	-30.6	0.3	10	-102
0.50	56.5	5837.9	5826.4	5814.3	4.2	3.0	1.6	-40.9	-44.5	-30.6	0.4	100	-124
0.75	57.1	5852.2	5840.5	5828.6	4.5	3.1	1.8	-40.9	-47.3	-29.4	0.4	1000	-144
1.00	57.9	5866.7	5854.8	5842.6	4.6	3.4	1.9	-41.0	-50.1	-30.2	0.4		
1.25	58.6	5881.1	5869.3	5856.8	4.7	3.5	2.1	-41.2	-48.4	-30.2	0.4		
1.50	58.6	5895.6	5883.9	5871.3	4.6	3.6	2.3	-41.2	-47.0	-30.2	0.4		
1.75	58.9	5910.0	5898.6	5886.1	4.7	3.6	2.4	-41.2	-49.6	-29.3	0.4		
2.00	60.1	5924.7	5913.3	5900.9	4.8	3.6	2.3	-41.2	-51.8	-29.1	0.4		
2.25	63.2	5940.2	5928.3	5915.9	4.9	3.8	2.4	-41.1	-51.5	-29.2	0.4		
2.50	66.6	5956.4	5944.1	5931.3	5.0	3.9	2.5	-41.0	-48.9	-29.2	0.4		
2.75	68.5	5973.2	5960.8	5947.4	5.1	3.9	2.6	-40.9	-49.7	-29.1	0.4		
3.00	70.1	5990.4	5977.9	5964.4	5.1	4.0	2.6	-40.8	-53.7	-30.1	0.3		
3.25	72.7	6008.2	5995.4	5981.9	5.2	4.1	2.7	-41.0	-48.8	-27.8	0.2		
3.50	73.5	6026.4	6013.6	5999.8	5.2	4.2	2.8	-40.9	-50.1	-29.1	0.0		
3.75	74.1	6044.9	6032.0	6018.2	5.2	4.1	2.9	-40.8	-52.9	-29.1	0.4		
4.00	73.3	6063.2	6050.5	6036.7	5.3	4.1	2.8	-40.7	-48.6	-27.8	1.0		
4.25	73.6	6081.9	6068.8	6055.2	5.4	4.2	2.7	-40.7	-52.3	-26.5	1.7		
4.50	70.4	6100.0	6087.2	6073.4	5.5	4.3	2.9	-40.5	-50.8	-27.6	2.4		
4.75	65.5	6117.1	6104.8	6091.3	5.3	4.4	3.0	-40.4	-51.9	-26.4	3.0		
5.00	61.0	6133.2	6121.2	6108.2	5.1	4.2	3.1	-40.1	-51.4	-26.3	3.4		
5.25	61.2	6149.7	6136.4	6123.8	4.9	4.0	2.9	-39.8	-51.3	-26.7	3.7		
5.50	57.2	6165.0	6151.7	6138.1	5.0	3.7	2.7	-39.6	-54.9	-26.0	3.8		
5.75	50.3	6178.5	6166.0	6152.0	5.3	3.8	2.4	-39.6	-48.3	-26.1	3.7		
6.00	43.7	6190.4	6178.6	6165.4	5.5	4.0	2.4	-39.8	-47.9	-24.9	3.3		
6.25	38.3	6200.9	6189.6	6177.0	5.4	4.2	2.5	-40.1	-49.4	-26.0	2.9		
6.50	34.0	6210.4	6199.1	6187.1	5.2	4.2	2.7	-40.1	-53.1	-25.0	2.4		
6.75	30.5	6219.0	6207.6	6195.9	4.9	4.2	2.9	-40.1	-51.0	-24.9	1.9		
7.00	30.5	6226.8	6215.2	6203.6	4.7	4.0	2.9	-39.8	-48.1	-24.5	1.4		

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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