

Voltage Controlled Oscillator

ROS-890CR+

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			
0.00	6.0	865.6	863.3	861.9	6.4	5.4	4.4	-20.2	-35.4	-39.6	0.2	1	-97
0.50	5.1	868.6	866.3	865.0	6.5	5.6	4.6	-19.9	-35.3	-40.6	0.1	10	-125
1.00	4.7	871.1	868.8	867.5	6.6	5.7	4.8	-19.6	-34.7	-40.9	0.1	100	-145
1.50	4.6	873.5	871.2	869.9	6.7	5.9	4.9	-19.3	-33.8	-40.7	0.1	1000	-165
2.00	4.6	875.9	873.5	872.2	6.8	6.0	5.1	-19.0	-33.0	-39.8	0.0		
2.50	4.7	878.3	875.8	874.4	6.9	6.2	5.2	-18.7	-32.4	-38.6	0.0		
3.00	4.8	880.7	878.1	876.7	7.0	6.3	5.4	-18.5	-31.7	-37.3	0.0		
3.50	4.9	883.2	880.5	879.1	7.1	6.5	5.6	-18.2	-30.9	-36.2	0.1		
4.00	5.0	885.7	883.0	881.5	7.1	6.6	5.7	-18.1	-30.0	-35.4	0.1		
4.50	5.0	888.2	885.5	884.0	7.2	6.7	5.8	-18.0	-29.1	-34.7	0.1		
5.00	4.9	890.7	887.9	886.4	7.2	6.8	5.9	-18.0	-28.4	-34.2	0.1		
5.50	4.8	893.2	890.4	888.9	7.2	6.8	6.1	-18.0	-28.1	-33.7	0.1		
6.00	4.6	895.6	892.8	891.2	7.3	6.9	6.1	-18.0	-27.9	-33.4	0.1		
6.50	4.4	897.9	895.1	893.5	7.3	6.9	6.2	-17.9	-27.6	-33.3	0.1		
7.00	4.2	900.1	897.3	895.7	7.3	6.9	6.3	-17.9	-27.3	-33.2	0.1		
7.50	3.9	902.1	899.3	897.8	7.2	6.9	6.3	-17.8	-26.8	-33.1	0.1		
8.00	3.7	904.1	901.3	899.8	7.2	6.9	6.2	-17.8	-26.4	-33.0	0.1		
8.50	3.4	905.9	903.1	901.6	7.1	6.8	6.2	-17.7	-26.0	-32.9	0.1		
9.00	3.1	907.6	904.8	903.3	7.0	6.8	6.1	-17.6	-25.8	-33.1	0.1		
9.50	2.7	909.2	906.3	904.9	6.8	6.6	6.0	-17.7	-25.8	-33.5	0.1		
10.00	2.3	910.6	907.7	906.2	6.6	6.5	5.9	-17.7	-26.3	-34.4	0.1		
10.50	1.7	911.7	908.8	907.4	6.3	6.2	5.8	-18.1	-27.3	-36.4	0.1		
11.00	1.4	912.5	909.7	908.3	5.9	5.8	5.5	-18.8	-28.9	-39.4	0.0		
11.50	1.4	913.0	910.4	909.1	5.5	5.4	5.2	-19.7	-30.3	-41.1	0.0		
12.00	1.4	913.6	911.2	909.9	5.2	5.2	5.0	-20.3	-31.4	-42.3	0.1		
12.50	1.4	914.3	911.9	910.6	5.2	5.2	5.0	-20.6	-32.6	-44.4	0.2		
13.00	1.4	914.9	912.6	911.3	5.2	5.2	5.0	-20.6	-34.2	-47.9	0.2		

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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