

Voltage Controlled Oscillator

ROS-EDR11296/2

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	196.5	4262.8	4249.2	4245.6	8.5	6.6	4.5	-39.9	-50.6	-44.4	7.2	1	-51
0.3	195.5	4313.2	4298.3	4292.7	8.5	6.5	4.3	-39.6	-46.9	-48.2	7.2	10	-79
1.0	191.7	4468.1	4444.7	4431.7	8.2	6.0	3.7	-40.1	-37.3	-56.5	7.9	100	-101
1.5	174.0	4568.7	4540.6	4522.2	7.8	5.5	3.2	-40.4	-31.8	-54.8	8.4	1000	-123
2.0	150.2	4653.8	4627.6	4607.3	7.9	5.5	3.0	-42.8	-28.1	-55.5	7.4		
2.5	150.1	4730.9	4702.7	4682.7	8.2	5.8	3.1	-45.2	-29.4	-53.8	6.7		
3.0	163.7	4804.9	4777.8	4761.0	8.4	6.0	3.3	-46.2	-34.2	-55.1	4.7		
3.5	182.5	4888.6	4859.6	4840.0	8.3	6.0	3.5	-44.3	-39.0	-55.0	4.3		
4.0	180.9	4983.9	4950.9	4920.7	8.3	6.2	3.7	-44.6	-35.2	-57.3	5.1		
4.5	176.3	5081.7	5041.4	5004.3	8.4	6.5	4.1	-44.1	-36.2	-56.1	5.6		
5.0	179.4	5171.6	5129.5	5089.9	8.6	6.7	4.5	-42.9	-39.1	-56.3	6.0		
5.5	193.6	5265.2	5219.2	5184.0	8.6	7.0	4.7	-43.1	-39.8	-53.2	6.1		
6.0	203.9	5363.8	5316.0	5282.2	8.5	7.1	4.9	-43.6	-41.4	-56.1	9.6		
6.5	228.5	5469.7	5417.9	5383.3	8.2	7.0	4.9	-44.3	-32.0	-52.1	9.2		
7.0	220.8	5579.9	5532.2	5488.3	7.7	6.6	4.8	-44.9	-29.7	-55.1	14.7		
7.5	192.6	5684.7	5642.6	5590.9	7.3	6.2	4.5	-44.3	-34.0	-56.6	18.6		
8.0	147.7	5776.3	5738.8	5688.4	6.9	5.7	4.3	-42.6	-39.3	-52.6	13.6		
8.5	126.0	5851.4	5812.7	5768.7	6.5	5.6	4.1	-41.6	-41.7	-51.9	12.0		
9.0	118.5	5918.9	5875.7	5833.9	6.2	5.3	4.0	-39.3	-43.2	-51.4	10.2		
9.5	86.2	5973.6	5934.9	5888.1	6.2	5.2	3.8	-41.5	-47.3	-50.6	9.4		
10.0	71.2	6014.6	5978.0	5935.5	6.1	5.3	3.8	-42.6	-50.3	-52.1	10.6		
10.5	63.1	6051.6	6013.6	5971.8	6.0	5.1	3.9	-40.4	-52.2	-51.2	8.4		
11.0	61.1	6083.6	6045.2	6005.9	5.8	5.1	3.6	-39.1	-54.4	-51.2	8.9		
11.5	45.5	6111.0	6075.7	6032.5	5.7	4.7	3.6	-37.3	-53.2	-52.0	7.8		
12.0	45.5	6137.7	6098.5	6058.6	5.5	4.6	3.6	-35.5	-51.5	-52.6	7.5		

Notes

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