

Voltage Controlled Oscillator

ROS-1300+

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	63.6	354.3	347.6	337.7	9.5	7.4	5.6	-9.0	-17.2	-25.6	3.0	1	-70
0.3	59.7	374.3	366.7	357.5	9.6	8.0	6.3	-9.1	-16.7	-23.7	3.1	10	-95
2.0	46.9	472.0	461.8	454.6	9.7	9.5	8.2	-9.8	-15.6	-19.4	2.1	100	-120
3.0	45.4	519.8	508.7	501.3	9.4	9.2	8.0	-10.4	-16.0	-21.5	1.9	1000	-141
4.0	46.1	565.7	554.1	546.8	9.2	9.0	7.8	-10.7	-16.1	-24.5	1.8		
5.0	49.3	612.8	600.2	592.7	8.9	8.8	7.6	-11.2	-16.8	-29.1	1.8		
6.0	53.6	662.7	649.5	641.6	8.7	8.5	7.6	-11.1	-18.0	-29.7	1.6		
7.0	58.5	717.3	703.1	694.4	8.4	8.3	7.6	-10.5	-20.2	-26.1	1.4		
8.0	62.9	775.9	761.6	752.6	8.2	8.0	7.5	-10.1	-23.8	-24.4	1.2		
9.0	64.8	839.5	824.5	814.9	7.9	7.8	7.4	-9.7	-29.0	-23.2	1.2		
10.0	64.7	904.9	889.3	879.2	7.7	7.7	7.3	-9.1	-31.5	-22.6	1.3		
11.0	61.7	969.8	954.0	943.7	7.6	7.6	7.1	-8.8	-31.5	-22.1	1.9		
12.0	57.3	1031.6	1015.6	1005.7	7.5	7.4	6.9	-8.9	-34.0	-22.4	2.5		
13.0	50.9	1088.6	1073.0	1063.5	7.5	7.3	6.7	-9.2	-36.2	-22.3	2.8		
14.0	45.1	1140.3	1123.9	1114.7	7.5	7.2	6.5	-9.8	-40.2	-23.4	2.9		
15.0	39.7	1185.1	1169.0	1160.4	7.5	7.1	6.2	-10.6	-37.4	-24.1	2.6		
16.0	35.3	1225.2	1208.7	1200.4	7.5	7.0	5.9	-11.3	-35.9	-25.3	2.4		
17.0	31.5	1260.3	1244.0	1236.1	7.4	6.8	5.7	-11.9	-33.4	-25.6	2.2		
18.0	28.4	1292.1	1275.5	1267.5	7.4	6.7	5.6	-12.8	-31.0	-26.2	2.1		
19.0	24.9	1320.5	1303.9	1295.7	7.3	6.7	5.6	-13.6	-28.6	-26.5	2.1		
20.0	22.1	1345.7	1328.8	1320.5	7.3	6.6	5.6	-14.4	-27.0	-27.0	2.1		
21.0	19.9	1368.6	1350.9	1342.3	7.3	6.6	5.6	-15.2	-26.3	-27.3	2.1		
22.0	19.9	1389.0	1370.7	1361.7	7.3	6.6	5.7	-15.9	-24.9	-27.6	2.3		

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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