

Voltage Controlled Oscillator

ROS-675-219R+

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	F2	F3	F4			
0.00	14.6	482.8	481.7	481.3	7.6	7.0	5.1	-14.7	-33.9	-26.6	0.4	1	-88
0.50	13.6	490.1	489.1	488.8	7.7	7.0	5.4	-14.8	-34.8	-29.6	0.2	10	-113
2.00	12.4	510.0	508.9	508.4	7.9	7.1	6.0	-17.9	-34.2	-37.9	0.0	100	-136
3.00	13.5	522.7	521.3	520.5	7.8	7.2	6.2	-19.3	-33.1	-36.2	0.0	1000	-156
4.00	15.0	536.4	534.7	533.6	7.7	7.1	6.3	-20.0	-32.0	-34.3	0.1		
5.00	16.2	551.3	549.7	548.4	7.6	7.1	6.3	-20.3	-30.9	-32.1	0.1		
6.00	16.9	567.3	566.0	564.7	7.4	7.0	6.3	-21.5	-29.9	-31.0	0.4		
7.00	17.0	583.8	582.9	581.8	7.2	6.9	6.3	-22.5	-29.0	-30.5	0.9		
8.00	16.6	600.4	599.9	599.2	6.9	6.6	6.1	-22.7	-27.7	-31.6	1.5		
9.00	16.0	616.6	616.4	616.1	6.7	6.4	6.0	-23.1	-27.2	-32.5	2.0		
10.00	15.2	632.3	632.4	632.4	6.7	6.3	5.8	-23.3	-26.5	-34.3	2.5		
11.00	14.2	647.3	647.6	647.7	6.6	6.1	5.6	-23.6	-25.1	-37.2	2.8		
12.00	13.0	661.4	661.8	661.8	6.4	5.9	5.4	-22.8	-24.7	-43.4	3.0		
13.00	11.8	674.6	674.8	674.7	6.3	5.7	5.2	-22.5	-23.2	-53.8	3.2		
14.00	10.8	686.8	686.6	686.4	6.2	5.6	5.1	-22.2	-23.0	-48.4	3.3		
15.00	9.8	697.9	697.4	697.2	6.2	5.5	4.9	-21.6	-21.9	-43.4	3.2		
16.00	8.9	708.0	707.2	706.9	6.1	5.4	4.8	-21.6	-21.5	-41.8	3.1		
17.00	8.1	717.1	716.1	715.7	6.1	5.4	4.6	-21.6	-21.6	-39.7	2.9		
18.00	7.3	725.4	724.2	723.7	6.1	5.3	4.5	-21.4	-21.5	-38.2	2.7		
19.00	6.6	732.8	731.5	730.8	6.1	5.2	4.3	-20.9	-21.2	-37.2	2.3		
20.00	5.9	739.5	738.1	737.2	6.1	5.0	4.1	-20.6	-21.4	-35.8	2.0		
21.00	5.3	745.5	744.0	743.0	6.0	4.9	4.0	-20.7	-21.7	-34.5	1.8		
22.00	4.9	751.0	749.4	748.3	6.0	4.8	3.8	-20.6	-21.8	-33.7	1.5		
23.00	4.4	755.9	754.2	753.0	5.9	4.7	3.7	-20.3	-21.7	-32.8	1.3		
24.00	4.1	760.4	758.7	757.4	5.9	4.6	3.6	-20.0	-21.9	-32.3	1.1		
25.00	3.7	764.5	762.7	761.4	5.9	4.5	3.5	-19.7	-22.2	-31.9	1.0		
26.00	3.4	768.3	766.4	765.0	5.8	4.4	3.4	-19.5	-22.6	-31.4	0.8		
27.00	3.2	771.8	769.9	768.4	5.8	4.4	3.3	-19.4	-22.7	-30.5	0.7		
28.00	2.9	775.0	773.0	771.5	5.8	4.3	3.3	-19.4	-22.5	-29.8	0.6		
29.00	2.7	778.0	775.9	774.4	5.7	4.3	3.2	-19.4	-22.3	-29.3	0.5		
30.00	2.7	780.7	778.6	777.0	5.7	4.2	3.1	-19.4	-22.1	-29.2	0.5		

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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