

# Voltage Controlled Oscillator

ROS-355-219+

## 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	30.50	291.8	289.2	286.5	5.06	5.00	4.35	-16.8	-43.1	-38.9	1.16	1	-87
0.3	27.24	299.1	296.8	294.4	5.24	5.02	4.35	-17.5	-40.6	-39.8	0.91	10	-113
0.5	25.02	305.7	303.6	301.3	5.23	4.89	4.36	-18.6	-39.3	-42.1	0.74	100	-134
0.8	23.64	311.9	309.9	307.5	5.12	4.83	4.40	-19.5	-39.0	-43.1	0.63	1000	-153
1.0	22.72	317.9	315.8	313.4	5.02	4.80	4.43	-20.3	-38.7	-43.1	0.55		
1.3	22.08	323.6	321.5	319.0	4.94	4.79	4.47	-21.1	-38.8	-42.8	0.49		
1.5	21.62	329.1	327.0	324.5	4.90	4.81	4.50	-21.7	-38.8	-41.7	0.45		
1.8	21.27	334.6	332.4	329.8	4.90	4.84	4.54	-22.3	-38.9	-40.6	0.41		
2.0	20.94	340.0	337.7	335.1	4.94	4.90	4.60	-22.8	-39.1	-39.9	0.38		
2.3	20.66	345.3	343.0	340.2	5.02	4.99	4.68	-23.3	-39.7	-39.2	0.37		
2.5	20.36	350.5	348.1	345.4	5.12	5.10	4.78	-23.9	-39.9	-38.7	0.36		
2.8	20.02	355.7	353.2	350.4	5.22	5.20	4.86	-24.3	-40.4	-38.2	0.36		
3.0	19.68	360.7	358.2	355.4	5.29	5.27	4.91	-24.8	-40.5	-37.8	0.36		
3.3	19.37	365.6	363.1	360.4	5.34	5.30	4.92	-25.2	-40.5	-37.8	0.39		
3.5	19.08	370.5	368.0	365.3	5.36	5.29	4.91	-25.6	-40.4	-37.8	0.45		
3.8	18.79	375.2	372.8	370.0	5.35	5.26	4.88	-26.0	-40.2	-38.0	0.53		
4.0	18.47	379.8	377.4	374.7	5.29	5.20	4.85	-26.3	-39.8	-38.0	0.59		
4.3	18.04	384.4	382.1	379.3	5.19	5.13	4.83	-26.8	-39.0	-38.3	0.63		
4.5	17.58	389.0	386.6	383.7	5.08	5.06	4.80	-27.3	-38.4	-38.3	0.64		
4.8	17.02	393.5	391.0	388.0	4.97	5.01	4.80	-27.8	-38.0	-37.9	0.61		
5.0	16.23	398.0	395.2	392.1	4.93	5.00	4.81	-28.1	-37.5	-37.2	0.56		
5.3	14.89	402.1	399.3	395.9	4.98	5.03	4.84	-28.4	-37.9	-36.3	0.47		
5.5	13.36	405.9	403.0	399.6	5.03	5.07	4.82	-28.2	-39.3	-36.1	0.36		
5.8	12.27	409.2	406.3	403.0	5.06	5.07	4.77	-28.0	-41.1	-36.3	0.28		
6.0	12.56	412.1	409.4	406.4	5.01	4.98	4.66	-27.8	-42.8	-36.8	0.38		

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