

# Voltage Controlled Oscillator

# ROS-928C-519+

## 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	11.02	882.4	880.3	878.3	4.96	4.70	4.56	-23.5	-31.8	-29.1	0.48	1	-93
0.5	8.78	887.7	885.9	884.1	4.97	4.66	4.50	-23.9	-31.2	-29.5	0.30	10	-119
1.0	7.89	892.0	890.2	888.6	4.98	4.65	4.49	-24.1	-31.2	-29.8	0.24	100	-141
1.5	7.40	895.9	894.2	892.6	4.99	4.65	4.47	-24.4	-31.2	-29.8	0.22	1000	-161
2.0	7.08	899.6	897.9	896.3	4.99	4.64	4.46	-24.6	-31.2	-29.6	0.22		
2.5	6.84	903.2	901.4	899.8	5.00	4.64	4.45	-24.9	-31.5	-30.0	0.22		
3.0	6.65	906.6	904.8	903.3	5.01	4.63	4.44	-24.9	-31.7	-29.8	0.23		
3.5	6.46	909.9	908.2	906.6	5.01	4.63	4.43	-24.9	-31.7	-29.7	0.24		
4.0	6.29	913.1	911.4	909.8	5.01	4.63	4.42	-24.8	-31.5	-29.8	0.25		
4.5	6.12	916.2	914.5	913.0	5.01	4.62	4.42	-24.7	-31.5	-29.8	0.27		
5.0	5.95	919.3	917.6	916.0	5.01	4.62	4.41	-24.8	-31.3	-29.9	0.28		
5.5	5.79	922.3	920.6	919.0	5.01	4.62	4.41	-24.9	-31.0	-30.1	0.29		
6.0	5.63	925.2	923.5	921.9	5.01	4.62	4.40	-25.0	-30.8	-30.0	0.31		
6.5	5.47	928.0	926.3	924.7	5.02	4.62	4.40	-25.1	-30.7	-29.7	0.32		
7.0	5.32	930.7	929.0	927.5	5.02	4.62	4.40	-25.2	-30.7	-29.6	0.33		
7.5	5.17	933.4	931.7	930.1	5.02	4.63	4.40	-25.2	-30.6	-29.7	0.34		
8.0	5.02	936.0	934.3	932.7	5.02	4.63	4.40	-25.3	-30.5	-30.0	0.35		
8.5	4.88	938.5	936.8	935.2	5.01	4.63	4.41	-25.4	-30.4	-30.2	0.35		
9.0	4.73	940.9	939.2	937.7	5.01	4.62	4.41	-25.5	-30.4	-30.3	0.36		
9.5	4.59	943.3	941.6	940.0	5.01	4.63	4.40	-25.6	-30.4	-30.3	0.37		
10.0	4.45	945.6	943.9	942.3	5.01	4.63	4.40	-25.5	-30.3	-30.2	0.38		
10.5	4.31	947.8	946.1	944.6	5.01	4.63	4.40	-25.5	-30.3	-30.2	0.39		
11.0	4.17	950.0	948.3	946.7	5.00	4.62	4.40	-25.5	-30.1	-30.2	0.40		
11.5	4.03	952.1	950.4	948.8	4.99	4.62	4.39	-25.4	-29.9	-30.2	0.40		
12.0	4.03	954.1	952.4	950.8	4.99	4.61	4.38	-25.4	-29.7	-30.1	0.41		

REV. X1  
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