

Voltage Controlled Oscillator

ROS-630+

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	13.45	584.0	581.1	579.0	-0.33	0.02	0.01	-21.9	-31.5	-37.1	0.19	1	-91
0.3	12.34	587.2	584.4	582.5	-0.31	0.05	0.05	-22.1	-31.4	-36.9	0.15	10	-113
0.5	11.75	590.2	587.5	585.6	-0.30	0.07	0.08	-22.2	-31.3	-36.6	0.13	100	-133
0.8	11.43	593.1	590.5	588.6	-0.29	0.09	0.11	-22.3	-31.3	-36.1	0.12	1000	-153
1.0	11.29	596.0	593.3	591.4	-0.29	0.11	0.13	-22.5	-31.3	-35.9	0.10		
1.3	11.27	598.8	596.1	594.2	-0.29	0.12	0.16	-22.6	-31.3	-35.7	0.10		
1.5	11.34	601.6	599.0	597.0	-0.29	0.13	0.18	-22.7	-31.3	-35.2	0.09		
1.8	11.46	604.5	601.8	599.8	-0.30	0.14	0.20	-22.7	-31.3	-34.9	0.08		
2.0	11.61	607.4	604.7	602.6	-0.31	0.15	0.21	-22.8	-31.4	-34.7	0.08		
2.3	11.78	610.4	607.6	605.5	-0.33	0.15	0.23	-23.0	-31.4	-34.4	0.08		
2.5	11.94	613.4	610.5	608.4	-0.35	0.15	0.24	-23.2	-31.4	-34.3	0.08		
2.8	12.10	616.4	613.5	611.4	-0.37	0.15	0.25	-23.4	-31.3	-34.2	0.08		
3.0	12.22	619.5	616.5	614.3	-0.38	0.15	0.26	-23.6	-31.3	-34.0	0.08		
3.3	12.30	622.6	619.6	617.4	-0.41	0.15	0.26	-23.6	-31.4	-33.6	0.09		
3.5	12.33	625.7	622.6	620.4	-0.43	0.15	0.27	-23.7	-31.6	-33.3	0.09		
3.8	12.31	628.9	625.7	623.4	-0.45	0.14	0.27	-23.8	-31.6	-33.2	0.10		
4.0	12.25	632.0	628.8	626.5	-0.48	0.13	0.27	-23.9	-31.7	-32.9	0.11		
4.3	12.14	635.1	631.9	629.5	-0.51	0.12	0.26	-24.1	-31.8	-32.6	0.11		
4.5	11.99	638.2	634.9	632.5	-0.54	0.10	0.26	-24.3	-32.0	-32.5	0.12		
4.8	11.81	641.2	637.9	635.5	-0.57	0.09	0.25	-24.3	-32.0	-32.4	0.12		
5.0	11.61	644.2	640.9	638.4	-0.60	0.07	0.23	-24.3	-32.1	-32.2	0.11		
5.3	11.39	647.2	643.8	641.3	-0.63	0.05	0.22	-24.3	-32.1	-32.2	0.10		
5.5	11.17	650.0	646.6	644.1	-0.66	0.03	0.21	-24.2	-32.3	-32.1	0.09		
5.8	10.94	652.9	649.4	646.9	-0.70	0.01	0.19	-24.1	-32.5	-31.7	0.08		
6.0	10.70	655.6	652.1	649.6	-0.74	-0.02	0.17	-24.2	-32.7	-31.4	0.06		
6.3	10.48	658.3	654.8	652.2	-0.78	-0.05	0.14	-24.4	-32.8	-31.3	0.04		
6.5	10.25	661.0	657.4	654.8	-0.82	-0.08	0.11	-24.5	-32.9	-31.3	0.02		
6.8	10.03	663.6	660.0	657.4	-0.86	-0.12	0.08	-24.6	-33.0	-31.2	0.00		
7.0	10.03	666.1	662.5	659.9	-0.91	-0.16	0.05	-24.6	-33.2	-31.2	0.02		

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