

# Voltage Controlled Oscillator

ROS-550+

## 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	14.09	501.7	498.5	496.1	-1.67	-0.93	-0.84	-20.7	-34.4	-44.9	0.13	1	-90
0.3	12.96	505.1	502.0	499.7	-1.64	-0.92	-0.82	-21.0	-34.1	-44.9	0.11	10	-113
0.5	12.34	508.3	505.3	503.0	-1.62	-0.92	-0.81	-21.3	-34.1	-44.2	0.11	100	-133
0.8	11.99	511.3	508.3	506.1	-1.60	-0.92	-0.80	-21.4	-34.0	-43.5	0.11	1000	-151
1.0	11.84	514.3	511.3	509.1	-1.60	-0.92	-0.79	-21.5	-34.0	-43.3	0.12		
1.3	11.82	517.2	514.3	512.1	-1.60	-0.92	-0.79	-21.5	-33.7	-42.7	0.12		
1.5	11.87	520.2	517.3	515.0	-1.61	-0.93	-0.79	-21.6	-33.6	-42.2	0.12		
1.8	11.98	523.2	520.2	518.0	-1.63	-0.95	-0.79	-21.8	-33.5	-41.7	0.13		
2.0	12.13	526.2	523.2	520.9	-1.64	-0.96	-0.79	-22.1	-33.4	-41.2	0.13		
2.3	12.29	529.3	526.3	523.9	-1.67	-0.98	-0.80	-22.3	-33.3	-40.9	0.14		
2.5	12.46	532.4	529.3	527.0	-1.71	-1.00	-0.81	-22.6	-33.1	-40.1	0.14		
2.8	12.60	535.6	532.4	530.0	-1.75	-1.03	-0.82	-22.7	-33.1	-39.8	0.15		
3.0	12.71	538.7	535.6	533.2	-1.80	-1.05	-0.83	-22.7	-33.2	-39.3	0.15		
3.3	12.78	542.0	538.8	536.3	-1.85	-1.09	-0.85	-22.8	-33.2	-38.8	0.16		
3.5	12.79	545.2	542.0	539.5	-1.91	-1.13	-0.87	-22.9	-33.2	-38.3	0.17		
3.8	12.75	548.5	545.2	542.6	-1.96	-1.16	-0.89	-23.2	-33.0	-37.8	0.17		
4.0	12.66	551.7	548.3	545.8	-2.02	-1.20	-0.92	-23.5	-33.0	-37.4	0.18		
4.3	12.52	554.9	551.5	548.9	-2.09	-1.24	-0.95	-23.7	-33.0	-37.1	0.18		
4.5	12.34	558.1	554.6	552.0	-2.16	-1.29	-0.98	-23.7	-33.0	-36.9	0.18		
4.8	12.14	561.2	557.7	555.1	-2.22	-1.33	-1.01	-23.7	-32.8	-36.5	0.18		
5.0	11.89	564.2	560.8	558.1	-2.28	-1.38	-1.06	-23.7	-32.8	-36.0	0.17		
5.3	11.64	567.2	563.7	561.0	-2.35	-1.44	-1.10	-23.8	-32.9	-35.5	0.16		
5.5	11.38	570.2	566.6	563.9	-2.42	-1.48	-1.14	-24.0	-33.0	-35.2	0.15		
5.8	11.12	573.1	569.5	566.7	-2.48	-1.54	-1.18	-24.1	-33.0	-35.1	0.13		
6.0	10.86	575.9	572.3	569.5	-2.55	-1.59	-1.23	-24.2	-32.9	-34.8	0.12		
6.3	10.61	578.6	575.0	572.2	-2.62	-1.65	-1.28	-24.3	-32.9	-34.5	0.10		
6.5	10.35	581.3	577.6	574.8	-2.68	-1.70	-1.33	-24.4	-33.0	-34.4	0.08		
6.8	10.11	583.9	580.2	577.4	-2.75	-1.76	-1.37	-24.4	-33.2	-34.3	0.06		
7.0	10.11	586.4	582.7	579.9	-2.82	-1.82	-1.42	-24.4	-33.2	-34.0	0.04		

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