

Voltage Controlled Oscillator

ROS-EDR4980/2

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			
0.3	5.86	579.6	578.3	577.4	-0.41	-0.17	-0.22	-16.3	-22.3	-34.9	0.05	1	-92
0.5	5.41	581.0	579.6	578.8	-0.40	-0.17	-0.24	-16.3	-22.5	-34.7	0.05	10	-115
0.8	5.20	582.3	580.9	580.1	-0.41	-0.18	-0.25	-16.3	-22.5	-35.0	0.06	100	-133
1.0	5.10	583.6	582.2	581.3	-0.41	-0.20	-0.27	-16.1	-22.6	-35.2	0.06	1000	-146
1.3	5.08	584.8	583.5	582.6	-0.41	-0.19	-0.28	-16.3	-22.5	-35.2	0.06		
1.5	5.10	586.1	584.7	583.9	-0.42	-0.20	-0.30	-16.3	-22.6	-35.2	0.06		
1.8	5.18	587.4	586.0	585.2	-0.41	-0.21	-0.31	-16.2	-22.6	-35.2	0.06		
2.0	5.28	588.8	587.4	586.5	-0.42	-0.22	-0.33	-16.2	-22.8	-35.2	0.06		
2.3	5.40	590.1	588.7	587.8	-0.43	-0.22	-0.34	-16.2	-22.8	-35.3	0.06		
2.5	5.55	591.5	590.1	589.2	-0.43	-0.23	-0.36	-16.1	-22.8	-35.3	0.05		
2.8	5.70	593.0	591.5	590.6	-0.44	-0.24	-0.38	-16.0	-22.8	-35.6	0.05		
3.0	5.83	594.4	593.0	592.1	-0.45	-0.25	-0.39	-16.0	-22.9	-35.6	0.05		
3.3	5.95	595.9	594.5	593.6	-0.44	-0.26	-0.41	-16.0	-22.9	-35.6	0.05		
3.5	6.05	597.5	596.0	595.1	-0.45	-0.27	-0.43	-16.0	-22.9	-35.9	0.05		
3.8	6.14	599.0	597.5	596.6	-0.46	-0.28	-0.45	-16.0	-23.1	-36.3	0.04		
4.0	6.20	600.6	599.1	598.1	-0.48	-0.30	-0.47	-15.8	-23.0	-36.2	0.04		
4.3	6.23	602.1	600.6	599.7	-0.50	-0.31	-0.48	-15.8	-23.0	-36.6	0.04		
4.5	6.24	603.7	602.2	601.3	-0.51	-0.32	-0.50	-15.8	-23.2	-36.7	0.03		
4.8	6.23	605.3	603.7	602.8	-0.53	-0.36	-0.52	-15.7	-23.1	-37.0	0.03		
5.0	6.20	606.8	605.3	604.4	-0.53	-0.37	-0.54	-15.6	-23.3	-37.2	0.03		
5.3	6.17	608.4	606.8	605.9	-0.54	-0.38	-0.56	-15.6	-23.3	-37.2	0.02		
5.5	6.10	609.9	608.4	607.4	-0.55	-0.39	-0.57	-15.6	-23.3	-37.5	0.02		
5.8	6.04	611.4	609.9	608.9	-0.57	-0.41	-0.59	-15.4	-23.4	-37.8	0.02		
6.0	5.96	612.9	611.4	610.4	-0.58	-0.42	-0.61	-15.4	-23.4	-37.4	0.02		
6.3	5.88	614.4	612.8	611.9	-0.58	-0.44	-0.62	-15.3	-23.6	-37.9	0.02		
6.5	5.81	615.9	614.3	613.3	-0.58	-0.45	-0.64	-15.3	-23.5	-37.9	0.02		
6.8	5.73	617.3	615.7	614.7	-0.60	-0.46	-0.66	-15.3	-23.7	-38.1	0.02		
7.0	5.64	618.7	617.1	616.1	-0.59	-0.47	-0.67	-15.1	-23.7	-38.2	0.01		