

Voltage Controlled Oscillator

ROS-ED8960/1

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			
0.2	99.33	390.9	381.4	377.0	8.20	8.96	9.03	-18.8	-45.2	-51.5	3.62	1	-82
0.3	88.00	404.2	394.6	390.3	8.53	9.56	9.68	-19.5	-43.0	-51.7	3.82	10	-108
0.5	83.46	416.5	407.1	402.8	8.66	9.82	9.95	-20.7	-43.0	-52.8	3.04	100	-128
0.6	77.84	428.0	418.8	414.3	8.69	9.87	10.09	-21.8	-45.0	-53.5	2.18	1000	-148
0.8	71.90	438.6	429.5	425.0	8.78	9.93	10.15	-22.3	-45.7	-52.8	1.48		
0.9	67.04	448.5	439.6	435.0	8.88	10.01	10.16	-22.8	-46.2	-52.5	0.87		
1.1	62.36	457.8	449.0	444.2	8.96	10.06	10.12	-23.2	-46.3	-53.5	0.34		
1.2	58.32	466.2	457.7	453.3	8.84	9.98	9.91	-23.3	-45.7	-53.0	0.62		
1.4	59.51	474.7	466.6	462.5	8.50	9.63	9.60	-23.8	-46.7	-52.3	1.24		
1.5	60.11	483.6	475.6	471.5	8.09	9.28	9.33	-24.7	-47.5	-50.5	1.19		
1.7	59.31	492.3	484.5	480.4	7.60	8.92	9.03	-25.7	-46.3	-48.5	1.09		
1.8	57.65	500.9	493.2	489.0	7.19	8.52	8.69	-26.3	-48.3	-47.2	0.96		
2.0	56.31	509.2	501.6	497.4	6.79	8.09	8.30	-26.7	-48.0	-45.8	0.91		
2.1	55.11	517.4	509.9	505.7	6.39	7.71	7.96	-27.2	-49.7	-44.7	0.84		
2.3	53.59	525.3	517.9	513.7	6.04	7.36	7.63	-27.5	-50.2	-43.3	0.78		
2.4	52.11	533.0	525.8	521.5	5.68	7.01	7.32	-27.8	-49.3	-42.5	0.74		
2.6	50.87	540.5	533.4	529.1	5.35	6.67	7.00	-27.8	-48.7	-41.0	0.61		
2.7	48.91	547.7	540.7	536.5	4.96	6.37	6.70	-28.3	-48.3	-40.3	0.70		
2.9	47.34	554.7	547.8	543.6	4.60	6.01	6.41	-28.7	-55.2	-40.3	0.62		
3.0	45.59	561.4	554.7	550.4	4.23	5.66	6.10	-29.2	-52.3	-39.8	0.56		
3.2	44.04	567.9	561.3	557.0	3.78	5.31	5.76	-29.3	-51.3	-38.8	0.55		
3.3	41.95	574.0	567.6	563.4	3.42	4.88	5.37	-29.7	-50.3	-38.7	0.48		
3.5	40.21	579.9	573.6	569.4	3.09	4.53	5.02	-29.8	-49.5	-38.3	0.41		
3.6	38.68	585.5	579.4	575.3	2.80	4.21	4.70	-30.0	-48.8	-37.5	0.39		
3.8	36.70	590.9	584.9	580.8	2.55	3.93	4.41	-29.8	-48.7	-37.2	0.31		
3.9	35.01	596.0	590.2	586.1	2.36	3.69	4.15	-29.8	-48.3	-37.0	0.24		
4.1	33.23	600.8	595.1	591.1	2.18	3.50	3.92	-29.7	-48.3	-36.7	0.15		
4.2	31.79	605.5	599.9	595.9	2.04	3.33	3.74	-29.5	-48.2	-36.8	0.09		
4.4	29.99	609.8	604.4	600.5	1.94	3.19	3.59	-29.3	-47.5	-36.8	0.02		
4.5	28.49	614.0	608.7	604.8	1.83	3.09	3.46	-29.3	-49.3	-37.0	0.08		
4.7	27.11	617.9	612.7	608.9	1.76	2.99	3.36	-29.2	-49.2	-36.7	0.14		
4.8	25.63	621.6	616.6	612.8	1.67	2.89	3.26	-29.0	-49.3	-36.3	0.22		
5.0	24.34	625.1	620.2	616.4	1.60	2.84	3.17	-29.0	-49.0	-36.0	0.30		
5.1	23.12	628.5	623.7	620.0	1.53	2.77	3.12	-28.8	-50.5	-35.8	0.36		