

Voltage Controlled Oscillator

ROS-ED8975/2

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			
0.2	16.49	611.4	609.2	608.2	4.80	5.56	4.02	-45.0	-34.8	-52.5	0.18	1	-85
0.4	14.64	614.0	611.8	610.9	4.82	5.53	4.10	-45.7	-34.3	-53.0	0.15	10	-110
0.5	13.36	616.5	614.2	613.4	4.79	5.56	4.19	-46.6	-34.1	-51.3	0.15	100	-130
0.7	12.39	618.7	616.5	615.7	4.82	5.53	4.23	-46.5	-33.9	-49.8	0.13	1000	-150
0.9	11.60	620.8	618.6	617.8	4.79	5.55	4.32	-47.0	-33.8	-49.5	0.13		
1.1	11.11	622.9	620.6	619.8	4.82	5.52	4.34	-46.1	-33.6	-48.9	0.13		
1.3	10.67	624.9	622.5	621.8	4.80	5.50	4.36	-47.2	-33.4	-48.4	0.13		
1.4	10.26	626.8	624.3	623.7	4.78	5.53	4.43	-46.5	-33.3	-47.7	0.15		
1.6	9.94	628.6	626.1	625.5	4.81	5.51	4.44	-47.5	-33.1	-47.3	0.15		
1.8	9.73	630.5	627.9	627.2	4.80	5.55	4.46	-47.6	-32.9	-47.6	0.16		
2.0	9.53	632.2	629.6	628.9	4.79	5.54	4.52	-47.1	-32.8	-46.6	0.16		
2.2	9.33	634.0	631.3	630.6	4.81	5.53	4.53	-47.4	-32.7	-46.0	0.16		
2.3	9.22	635.7	632.9	632.3	4.81	5.55	4.54	-47.2	-32.7	-46.0	0.21		
2.5	9.13	637.4	634.6	633.9	4.81	5.55	4.59	-46.9	-32.5	-44.9	0.19		
2.7	9.02	639.1	636.2	635.5	4.82	5.55	4.60	-46.6	-32.2	-44.9	0.21		
2.9	8.96	640.8	637.8	637.2	4.83	5.55	4.62	-46.6	-32.3	-44.5	0.19		
3.1	8.91	642.5	639.4	638.8	4.84	5.56	4.64	-46.7	-32.1	-44.2	0.21		
3.2	8.91	644.2	641.0	640.4	4.83	5.57	4.66	-46.5	-32.0	-44.5	0.21		
3.4	8.87	645.8	642.6	641.9	4.84	5.55	4.68	-45.7	-31.9	-44.1	0.24		
3.6	8.84	647.5	644.2	643.5	4.86	5.56	4.67	-45.6	-31.7	-43.6	0.21		
3.8	8.91	649.2	645.8	645.1	4.84	5.58	4.70	-45.4	-31.5	-43.6	0.21		
4.0	8.91	650.8	647.4	646.7	4.85	5.59	4.72	-45.3	-31.5	-43.6	0.24		
4.1	8.96	652.5	649.0	648.3	4.81	5.57	4.70	-44.6	-31.4	-43.2	0.24		
4.3	9.00	654.2	650.6	649.9	4.82	5.58	4.72	-44.0	-31.3	-42.6	0.24		
4.5	9.02	655.9	652.3	651.5	4.84	5.60	4.74	-44.3	-31.3	-42.7	0.24		
4.7	9.08	657.6	653.9	653.2	4.81	5.56	4.71	-44.2	-31.1	-42.8	0.27		
4.9	9.18	659.3	655.5	654.8	4.81	5.58	4.73	-43.3	-31.2	-42.7	0.24		
5.0	9.28	661.0	657.2	656.5	4.82	5.61	4.75	-43.7	-31.1	-42.2	0.27		
5.2	9.37	662.8	658.9	658.2	4.79	5.57	4.72	-43.2	-31.2	-42.1	0.27		
5.4	9.53	664.6	660.6	659.9	4.79	5.59	4.73	-42.9	-31.0	-41.9	0.29		
5.6	9.59	666.4	662.3	661.6	4.79	5.59	4.74	-42.7	-31.0	-41.8	0.27		
5.8	9.77	668.2	664.1	663.3	4.78	5.57	4.72	-42.2	-30.9	-42.3	0.27		
5.9	9.90	670.0	665.9	665.1	4.78	5.57	4.72	-42.2	-30.8	-42.0	0.27		
6.1	10.00	671.8	667.7	666.9	4.77	5.55	4.73	-41.7	-30.7	-41.6	0.24		
6.3	10.26	673.7	669.5	668.7	4.78	5.55	4.71	-41.4	-30.7	-41.6	0.24		
6.5	10.39	675.6	671.4	670.6	4.77	5.55	4.71	-41.2	-30.6	-41.4	0.25		
6.7	10.52	677.6	673.3	672.5	4.78	5.53	4.70	-40.7	-30.7	-41.5	0.24		
6.8	10.76	679.5	675.2	674.4	4.77	5.52	4.70	-40.4	-30.7	-41.7	0.24		
7.0	10.97	681.5	677.2	676.4	4.75	5.49	4.69	-40.1	-30.7	-41.4	0.24		