

Voltage Controlled Oscillator

ROS-ED9725/1

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			
0.3	13.81	546.1	543.4	541.1	0.35	0.56	0.34	-21.9	-33.5	-28.6	0.09	1	-86
0.5	12.33	549.2	546.5	544.2	0.24	0.52	0.31	-22.2	-33.1	-28.3	0.07	10	-110
0.8	11.32	552.1	549.3	547.0	0.19	0.41	0.27	-22.4	-32.4	-28.2	0.06	100	-130
1.0	10.68	554.8	552.0	549.6	0.13	0.36	0.17	-22.5	-32.0	-27.7	0.04	1000	-150
1.3	10.23	557.4	554.6	552.1	0.09	0.31	0.12	-22.7	-31.7	-27.7	0.04		
1.5	9.90	560.0	557.0	554.5	0.11	0.27	0.07	-23.0	-31.1	-27.4	0.03		
1.8	9.71	562.5	559.5	556.9	0.08	0.30	0.03	-22.9	-30.9	-27.2	0.03		
2.0	9.54	565.0	561.8	559.2	0.02	0.26	0.05	-23.2	-30.5	-27.2	0.04		
2.3	9.45	567.4	564.2	561.5	0.01	0.21	0.02	-23.2	-30.1	-26.9	0.03		
2.5	9.43	569.9	566.6	563.8	0.02	0.18	-0.04	-23.5	-30.2	-26.8	0.03		
2.8	9.44	572.3	568.9	566.1	0.01	0.20	-0.07	-23.7	-29.7	-26.5	0.03		
3.0	9.49	574.8	571.3	568.4	0.10	0.20	-0.06	-23.8	-29.5	-26.4	0.04		
3.3	9.56	577.3	573.7	570.8	0.11	0.28	-0.08	-24.0	-29.0	-26.5	0.04		
3.5	9.66	579.8	576.1	573.1	0.13	0.29	0.00	-24.3	-28.8	-26.4	0.04		
3.8	9.80	582.4	578.6	575.6	0.13	0.31	-0.01	-24.4	-28.5	-26.2	0.04		
4.0	9.96	585.0	581.0	578.0	0.21	0.32	-0.01	-24.7	-28.1	-26.1	0.06		
4.3	10.20	587.6	583.6	580.6	0.29	0.39	-0.01	-24.9	-28.0	-26.0	0.07		
4.5	10.37	590.3	586.2	583.2	0.30	0.41	0.05	-25.1	-27.8	-26.0	0.10		
4.8	10.66	593.1	588.8	585.8	0.37	0.48	0.05	-25.4	-27.7	-25.9	0.12		
5.0	10.92	595.9	591.6	588.5	0.37	0.48	0.10	-25.5	-27.4	-25.8	0.17		
5.3	11.24	598.8	594.4	591.3	0.42	0.54	0.09	-25.9	-26.9	-25.7	0.23		
5.5	11.59	601.8	597.3	594.2	0.39	0.52	0.14	-26.2	-26.6	-25.6	0.30		
5.8	11.97	604.9	600.3	597.2	0.38	0.56	0.11	-26.2	-26.4	-25.7	0.38		