

Voltage Controlled Oscillator

ROS-EDR6348/1

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	17.68	947.7	941.0	935.9	-0.27	-0.08	-0.40	-30.4	-40.5	-45.3	0.10	1	-92
0.5	16.17	951.7	945.0	940.0	-0.27	-0.06	-0.38	-30.8	-40.2	-45.2	0.13	10	-113
0.8	15.41	955.5	948.9	943.9	-0.26	-0.06	-0.35	-30.9	-39.7	-44.9	0.14	100	-133
1.0	15.06	959.3	952.6	947.7	-0.26	-0.06	-0.35	-31.0	-39.3	-44.8	0.15	1000	-145
1.3	14.89	963.0	956.4	951.4	-0.27	-0.05	-0.35	-31.2	-39.1	-45.3	0.16		
1.5	14.90	966.7	960.1	955.1	-0.28	-0.05	-0.33	-31.4	-38.8	-44.8	0.16		
1.8	15.02	970.5	963.8	958.8	-0.30	-0.05	-0.32	-31.6	-38.7	-44.9	0.17		
2.0	15.23	974.4	967.7	962.6	-0.31	-0.05	-0.32	-31.6	-38.0	-45.1	0.17		
2.3	15.47	978.3	971.5	966.4	-0.32	-0.06	-0.31	-31.8	-37.9	-44.9	0.17		
2.5	15.76	982.3	975.5	970.3	-0.30	-0.04	-0.28	-32.0	-37.6	-44.3	0.16		
2.8	16.12	986.3	979.5	974.3	-0.29	-0.03	-0.25	-32.2	-37.4	-44.1	0.15		
3.0	16.30	990.4	983.6	978.3	-0.32	-0.04	-0.26	-32.4	-37.0	-43.8	0.14		
3.3	16.46	994.5	987.7	982.4	-0.34	-0.05	-0.26	-32.5	-36.6	-43.5	0.13		
3.5	16.66	998.7	991.8	986.6	-0.37	-0.06	-0.26	-32.5	-36.4	-43.2	0.11		
3.8	16.71	1002.9	996.0	990.7	-0.37	-0.09	-0.27	-32.6	-36.5	-43.1	0.09		
4.0	16.80	1007.1	1000.2	994.9	-0.38	-0.12	-0.28	-32.7	-36.6	-43.5	0.06		
4.3	16.66	1011.2	1004.4	999.1	-0.38	-0.11	-0.29	-32.7	-36.6	-43.3	0.04		
4.5	16.60	1015.4	1008.5	1003.2	-0.38	-0.10	-0.28	-32.6	-36.4	-43.5	0.02		
4.8	16.54	1019.5	1012.7	1007.3	-0.39	-0.11	-0.27	-32.7	-36.5	-43.4	0.00		
5.0	16.31	1023.6	1016.8	1011.4	-0.40	-0.12	-0.27	-32.8	-36.2	-43.0	-0.01		
5.3	16.03	1027.5	1020.8	1015.4	-0.42	-0.14	-0.28	-32.9	-36.2	-43.1	-0.02		
5.5	15.74	1031.5	1024.7	1019.3	-0.44	-0.15	-0.29	-32.9	-36.4	-43.5	-0.03		
5.8	15.47	1035.3	1028.6	1023.2	-0.47	-0.17	-0.30	-32.9	-36.4	-43.8	-0.03		
6.0	15.19	1039.1	1032.4	1027.0	-0.47	-0.17	-0.29	-33.0	-36.4	-43.8	-0.04		
6.3	14.86	1042.8	1036.1	1030.7	-0.49	-0.19	-0.30	-33.1	-36.3	-44.5	-0.04		
6.5	14.58	1046.5	1039.7	1034.3	-0.52	-0.21	-0.31	-33.3	-36.5	-44.4	-0.03		
6.8	14.28	1050.0	1043.3	1037.9	-0.54	-0.24	-0.33	-33.4	-36.5	-44.7	-0.03		
7.0	13.97	1053.5	1046.8	1041.4	-0.58	-0.27	-0.35	-33.4	-36.4	-44.7	-0.03		