

Voltage Controlled Oscillator

ROS-EDR4761/14

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			
0.5	29.54	842.2	839.4	837.0	3.90	4.75	4.24	-18.0	-30.4	-21.4	-0.01	1	-85
1.0	26.38	855.5	852.6	850.1	3.75	4.72	4.24	-18.3	-29.7	-21.4	0.00	10	-107
1.5	25.91	868.6	865.5	863.0	3.54	4.62	4.17	-18.4	-29.1	-21.8	0.01	100	-130
2.0	26.30	882.1	878.7	876.1	3.47	4.51	4.10	-18.4	-28.8	-22.0	0.02	1000	-147
2.5	27.36	896.0	892.3	889.5	3.38	4.38	4.04	-18.6	-29.7	-22.9	0.03		
3.0	28.68	910.5	906.7	903.6	3.27	4.31	3.98	-19.1	-30.1	-23.8	0.02		
3.5	29.50	925.6	921.4	918.3	3.23	4.18	3.86	-19.3	-30.0	-23.8	-0.01		
4.0	30.25	940.9	936.6	933.4	3.17	4.03	3.79	-19.4	-27.6	-24.7	-0.04		
4.5	30.77	956.2	952.0	948.8	3.09	3.87	3.64	-19.9	-24.0	-25.3	-0.10		
5.0	30.53	971.6	967.2	964.2	2.96	3.76	3.40	-20.3	-21.2	-25.7	-0.17		
5.5	30.38	986.9	982.4	979.8	2.82	3.65	3.00	-21.6	-19.7	-26.4	-0.23		
6.0	29.96	1001.9	997.4	995.3	2.72	3.49	2.48	-22.4	-18.4	-27.3	-0.33		
6.5	29.73	1016.5	1012.3	1010.6	2.67	3.20	1.96	-23.6	-18.1	-28.3	-0.52		
7.0	29.87	1030.8	1027.2	1025.6	2.58	2.64	1.49	-25.0	-17.7	-28.6	-0.54		
7.5	29.36	1044.7	1041.9	1040.2	2.34	2.03	1.07	-27.1	-17.4	-29.4	-0.55		
8.0	28.76	1058.9	1056.2	1054.3	1.64	1.46	0.70	-29.5	-17.3	-29.4	-0.54		
8.5	27.98	1073.1	1070.2	1068.2	0.93	1.06	0.39	-32.3	-17.3	-30.1	-0.46		
9.0	27.21	1086.9	1083.8	1081.6	0.35	0.74	0.16	-35.3	-17.6	-30.9	-0.44		
9.5	26.53	1100.4	1097.1	1094.8	-0.12	0.45	-0.03	-38.1	-18.0	-31.6	-0.46		
10.0	26.05	1113.5	1110.1	1107.6	-0.54	0.19	-0.23	-40.1	-17.9	-31.9	-0.40		
10.5	25.28	1126.3	1122.8	1120.2	-0.86	0.00	-0.39	-39.2	-18.2	-32.7	-0.41		
11.0	24.79	1138.8	1135.2	1132.6	-1.08	-0.17	-0.52	-37.5	-18.2	-33.2	-0.43		
11.5	24.32	1151.1	1147.3	1144.6	-1.32	-0.31	-0.61	-35.9	-18.2	-34.0	-0.39		
12.0	23.76	1163.1	1159.2	1156.4	-1.52	-0.44	-0.74	-34.4	-18.6	-34.7	-0.40		
12.5	23.27	1174.8	1170.8	1168.0	-1.67	-0.58	-0.83	-33.1	-18.7	-35.7	-0.43		
13.0	22.78	1186.2	1182.2	1179.3	-1.78	-0.70	-0.90	-32.3	-19.1	-37.3	-0.39		
13.5	22.23	1197.4	1193.3	1190.4	-1.88	-0.81	-0.93	-31.9	-19.5	-38.3	-0.42		
14.0	21.77	1208.4	1204.2	1201.2	-1.96	-0.90	-0.98	-31.8	-20.2	-40.1	-0.45		
14.5	21.35	1219.1	1214.9	1211.8	-2.04	-0.98	-1.02	-31.9	-20.2	-42.3	-0.42		
15.0	20.81	1229.6	1225.3	1222.2	-2.09	-1.05	-1.06	-31.6	-19.9	-44.7	-0.46		
15.5	20.30	1239.8	1235.5	1232.3	-2.15	-1.10	-1.07	-31.6	-20.5	-45.9	-0.48		
16.0	19.84	1249.8	1245.4	1242.2	-2.21	-1.15	-1.11	-31.5	-20.8	-40.6	-0.46		