

Voltage Controlled Oscillator

ROS-ED8693/1

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			
0.4	57.65	855.8	843.3	835.4	9.57	9.94	9.81	-15.1	-26.7	-44.2	0.73	1	-78
0.8	48.62	874.4	862.7	855.3	9.41	9.70	9.48	-14.9	-27.5	-42.7	0.73	10	-103
1.2	43.75	891.3	880.2	873.0	9.33	9.48	9.17	-14.7	-28.4	-41.8	0.72	100	-124
1.6	40.58	907.1	896.4	889.5	9.30	9.39	8.95	-14.7	-29.2	-40.7	0.70	1000	-140
2.0	38.36	922.1	911.8	905.0	9.16	9.27	8.76	-14.7	-30.3	-40.4	0.69		
2.4	36.83	936.7	926.5	919.8	9.05	9.08	8.52	-14.7	-31.4	-40.0	0.68		
2.8	36.00	950.9	940.9	934.3	9.02	8.96	8.30	-14.7	-32.4	-39.4	0.68		
3.2	35.45	964.9	955.1	948.5	8.92	8.86	8.11	-14.6	-33.1	-38.1	0.66		
3.6	35.05	978.7	969.1	962.6	8.79	8.71	7.88	-14.6	-33.5	-37.2	0.65		
4.0	34.98	992.5	983.1	976.7	8.72	8.56	7.68	-14.6	-34.1	-35.8	0.64		
4.4	35.01	1006.4	997.1	990.8	8.65	8.47	7.46	-14.7	-33.8	-33.3	0.63		
4.8	34.90	1020.2	1011.1	1004.9	8.63	8.41	7.34	-14.8	-34.3	-32.2	0.59		
5.2	35.31	1034.2	1025.2	1019.1	8.47	8.31	7.21	-14.9	-34.5	-32.1	0.58		
5.6	36.02	1048.6	1039.6	1033.6	8.37	8.11	6.98	-14.9	-33.3	-31.9	0.57		
6.0	36.58	1063.2	1054.2	1048.3	8.31	7.96	6.77	-14.9	-32.9	-32.1	0.56		
6.4	37.47	1078.1	1069.2	1063.4	8.30	7.85	6.58	-14.8	-32.2	-31.4	0.56		
6.8	38.40	1093.4	1084.6	1078.8	8.21	7.77	6.43	-14.9	-32.0	-31.6	0.55		
7.2	39.20	1109.1	1100.3	1094.5	8.11	7.63	6.28	-15.0	-31.3	-31.4	0.54		
7.6	40.38	1125.1	1116.4	1110.8	8.03	7.50	6.13	-15.0	-30.1	-31.1	0.55		
8.0	41.38	1141.6	1133.0	1127.4	8.02	7.41	6.00	-15.0	-29.5	-33.4	0.51		
8.4	42.48	1158.5	1150.0	1144.4	7.89	7.31	5.90	-15.2	-28.8	-29.6	0.51		
8.8	43.66	1175.9	1167.4	1162.0	7.75	7.13	5.75	-15.4	-28.5	-28.9	0.47		
9.2	44.75	1193.7	1185.3	1180.0	7.64	6.99	5.64	-15.6	-27.6	-28.1	0.44		
9.6	45.57	1211.9	1203.6	1198.3	7.55	6.89	5.64	-15.6	-26.8	-27.7	0.35		
10.0	46.00	1230.2	1222.0	1216.8	7.36	6.76	5.60	-15.9	-26.4	-26.5	0.28		
10.4	46.42	1248.8	1240.5	1235.4	7.20	6.57	5.45	-16.1	-25.1	-25.1	0.16		
10.8	46.92	1267.5	1259.3	1254.3	7.09	6.45	5.34	-16.2	-23.1	-26.1	0.06		
11.2	46.89	1286.2	1278.0	1273.1	6.86	6.29	5.25	-16.5	-22.0	-30.4	0.03		
11.6	46.46	1304.6	1296.6	1291.7	6.58	6.11	5.16	-17.0	-21.5	-33.3	0.14		
12.0	45.49	1322.6	1314.8	1309.9	6.47	5.99	5.08	-17.3	-21.1	-32.4	0.26		
12.4	44.48	1340.4	1332.6	1327.8	6.27	5.91	5.12	-17.9	-20.6	-31.1	0.37		
12.8	43.65	1357.8	1350.1	1345.2	6.05	5.77	5.05	-18.6	-20.1	-30.1	0.46		
13.2	42.52	1374.8	1367.1	1362.3	5.87	5.64	4.96	-19.3	-19.7	-29.2	0.55		
13.6	41.33	1391.4	1383.6	1378.8	5.71	5.56	4.92	-19.9	-19.4	-28.5	0.63		
14.0	39.99	1407.4	1399.6	1394.8	5.57	5.46	4.87	-20.5	-19.0	-27.8	0.67		