

Voltage Controlled Oscillator

JCOS-ED9442/1

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	15.10	1205.0	1198.0	1191.3	6.10	6.22	5.62	-32.3	-44.1	-31.6	0.24	1	-92
0.5	13.36	1209.0	1201.3	1194.5	6.23	6.35	5.74	-32.6	-42.1	-30.0	0.04	10	-115
0.8	12.56	1212.7	1204.5	1197.6	6.26	6.41	5.82	-33.2	-41.5	-28.6	0.06	100	-135
1.0	12.52	1216.1	1207.6	1200.6	6.21	6.44	5.90	-33.6	-41.0	-27.3	0.15	1000	-155
1.3	12.66	1219.2	1210.8	1203.7	6.15	6.44	5.96	-34.4	-40.0	-26.1	0.21		
1.5	12.48	1222.1	1213.9	1206.9	6.08	6.41	5.99	-35.5	-38.9	-25.0	0.21		
1.8	12.26	1224.8	1216.9	1210.1	5.97	6.36	5.99	-36.9	-38.3	-24.3	0.20		
2.0	11.92	1227.5	1219.9	1213.3	5.88	6.30	5.96	-38.5	-38.1	-24.0	0.18		
2.3	11.50	1230.1	1222.8	1216.4	5.85	6.24	5.91	-40.8	-37.7	-23.8	0.12		
2.5	11.14	1232.5	1225.6	1219.5	5.80	6.19	5.85	-43.1	-37.2	-23.7	0.06		
2.8	10.60	1234.9	1228.2	1222.4	5.74	6.13	5.80	-46.7	-36.8	-23.6	0.02		
3.0	10.09	1237.1	1230.8	1225.2	5.70	6.09	5.75	-48.2	-36.8	-23.6	0.05		
3.3	9.44	1239.2	1233.1	1227.8	5.61	6.05	5.69	-45.1	-37.2	-24.0	0.09		
3.5	8.68	1241.2	1235.3	1230.1	5.55	5.99	5.66	-41.7	-37.3	-24.2	0.12		
3.8	7.94	1243.0	1237.3	1232.3	5.53	5.96	5.63	-39.0	-37.8	-24.6	0.14		
4.0	7.07	1244.5	1239.0	1234.2	5.50	5.93	5.61	-37.3	-38.2	-25.1	0.17		
4.3	6.14	1245.9	1240.6	1235.8	5.42	5.90	5.59	-35.6	-38.5	-25.3	0.13		
4.5	5.19	1247.0	1241.9	1237.2	5.31	5.87	5.58	-34.6	-39.0	-25.6	0.10		
4.8	4.22	1247.7	1242.9	1238.3	5.21	5.84	5.57	-33.6	-39.1	-26.0	0.05		
5.0	3.28	1248.2	1243.7	1239.2	5.13	5.83	5.58	-32.7	-39.4	-26.3	0.02		
5.3	2.52	1248.7	1244.4	1240.0	5.12	5.84	5.60	-32.2	-39.7	-26.6	0.05		
5.5	2.07	1249.0	1244.9	1240.6	5.15	5.87	5.64	-31.7	-40.1	-26.8	0.06		
5.8	1.76	1249.4	1245.3	1241.1	5.20	5.92	5.71	-31.5	-40.2	-26.9	0.06		
6.0	1.55	1249.8	1245.7	1241.5	5.28	5.99	5.78	-31.2	-40.8	-27.3	0.06		