

Voltage Controlled Oscillator

ROS-ED10484/1

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			
0.0	145.00	852.2	829.2	815.4	10.83	10.44	10.11	-15.1	-28.7	-50.7	7.38	1	-76
0.3	138.70	884.4	864.5	852.7	10.23	10.22	10.01	-17.4	-28.7	-50.8	9.15	10	-96
0.5	144.50	916.1	898.7	888.8	10.29	10.02	9.89	-20.3	-27.9	-54.3	11.38	100	-116
0.8	100.25	951.9	934.9	924.6	10.29	10.01	9.76	-19.6	-28.3	-49.4	9.02	1000	-136
1.0	103.20	976.4	959.7	949.9	10.55	10.20	10.00	-18.6	-35.8	-43.4	9.70		
1.3	103.70	1002.1	985.6	976.2	10.45	10.23	9.93	-19.7	-42.4	-42.0	8.95		
1.5	95.25	1026.6	1010.4	1002.4	10.68	10.38	10.01	-21.3	-44.6	-41.6	7.08		
1.8	101.30	1049.1	1034.2	1029.3	11.02	10.39	9.58	-23.7	-45.7	-42.2	5.87		
2.0	109.00	1070.1	1060.6	1056.4	11.08	10.16	9.30	-28.1	-48.2	-42.4	4.66		
2.3	105.30	1095.0	1087.5	1082.7	10.89	9.74	8.92	-32.2	-53.2	-42.1	4.29		
2.5	102.50	1122.6	1113.3	1107.7	10.36	9.41	8.63	-35.6	-58.6	-42.0	4.30		
2.8	97.60	1149.2	1138.2	1131.6	9.57	9.01	8.40	-37.6	-57.6	-41.8	4.50		
3.0	92.75	1174.1	1161.8	1154.6	9.09	8.67	8.09	-37.8	-54.5	-41.9	4.76		
3.3	87.25	1197.2	1184.3	1176.6	8.55	8.36	7.85	-37.1	-53.0	-41.0	4.90		
3.5	81.75	1218.7	1205.4	1197.4	8.22	8.08	7.63	-36.2	-51.6	-40.0	5.14		
3.8	73.35	1238.5	1224.9	1216.9	7.94	7.79	7.28	-35.8	-50.1	-39.9	5.20		
4.0	72.00	1257.3	1243.2	1234.9	7.48	7.50	7.09	-35.4	-49.7	-39.1	5.43		
4.3	68.40	1274.9	1260.4	1252.0	7.37	7.21	6.93	-35.4	-49.9	-38.5	5.45		
4.5	63.77	1291.5	1276.9	1268.3	6.99	7.11	6.66	-35.6	-49.6	-38.6	5.36		
4.8	58.33	1306.6	1292.1	1283.7	6.61	6.60	6.08	-35.9	-49.7	-38.8	5.15		
5.0	53.33	1320.2	1306.1	1298.0	6.20	6.15	5.47	-36.2	-50.8	-38.8	4.96		
5.3	47.75	1332.5	1318.9	1311.2	5.72	5.78	4.91	-36.8	-52.1	-39.7	5.07		
5.5	45.30	1343.5	1330.6	1323.7	5.23	5.27	4.07	-37.4	-53.8	-41.3	5.37		