

Voltage Controlled Oscillator

ROS-ED10598/1

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			
0.1	3.21	73.8	73.2	72.7	4.60	5.05	5.20	-23.0	-44.0	-39.4	0.21	1	-100
0.3	3.10	74.2	73.6	73.1	4.51	4.96	5.13	-23.3	-43.3	-39.2	0.19	10	-123
0.4	3.02	74.6	74.0	73.6	4.40	4.83	5.02	-23.6	-42.6	-38.7	0.18	100	-143
0.5	3.00	75.0	74.4	74.0	4.27	4.71	4.90	-23.9	-41.8	-38.6	0.19	1000	-160
0.6	2.96	75.3	74.8	74.3	4.20	4.61	4.81	-24.2	-41.6	-38.2	0.23		
0.8	2.88	75.7	75.2	74.7	4.11	4.50	4.70	-24.4	-41.1	-38.1	0.27		
0.9	2.81	76.1	75.5	75.1	4.05	4.43	4.63	-24.6	-40.8	-38.1	0.29		
1.0	2.70	76.4	75.9	75.5	4.01	4.38	4.57	-24.8	-40.6	-37.9	0.27		
1.1	2.62	76.8	76.3	75.8	3.95	4.31	4.52	-24.9	-40.5	-38.0	0.24		
1.3	2.56	77.1	76.6	76.2	3.91	4.26	4.46	-25.0	-40.5	-38.1	0.23		
1.4	2.49	77.5	76.9	76.5	3.86	4.21	4.41	-25.1	-40.5	-37.9	0.21		
1.5	2.45	77.8	77.3	76.8	3.80	4.15	4.35	-25.3	-40.5	-37.6	0.19		
1.6	2.40	78.1	77.6	77.2	3.75	4.10	4.30	-25.4	-40.4	-37.7	0.19		
1.8	2.36	78.4	77.9	77.5	3.71	4.07	4.25	-25.5	-40.0	-37.8	0.18		
1.9	2.34	78.7	78.2	77.8	3.65	4.01	4.20	-25.6	-40.4	-37.7	0.17		
2.0	2.30	79.0	78.5	78.1	3.62	3.96	4.15	-25.6	-40.1	-37.7	0.16		
2.1	2.29	79.3	78.8	78.4	3.60	3.94	4.13	-25.8	-40.0	-37.5	0.15		
2.3	2.27	79.6	79.1	78.7	3.55	3.88	4.09	-25.8	-40.2	-37.6	0.15		
2.4	2.25	79.9	79.4	78.9	3.51	3.84	4.03	-25.9	-40.1	-37.6	0.14		
2.5	2.25	80.2	79.6	79.2	3.46	3.78	3.98	-26.0	-39.9	-37.3	0.13		
2.6	2.24	80.5	79.9	79.5	3.42	3.73	3.93	-26.0	-39.9	-37.5	0.13		
2.8	2.24	80.7	80.2	79.8	3.38	3.69	3.88	-26.2	-39.8	-37.5	0.13		
2.9	2.24	81.0	80.5	80.1	3.33	3.64	3.84	-26.2	-39.9	-37.5	0.12		
3.0	2.24	81.3	80.8	80.3	3.30	3.60	3.79	-26.4	-39.7	-37.4	0.12		
3.1	2.24	81.6	81.0	80.6	3.24	3.55	3.74	-26.4	-39.4	-37.4	0.11		
3.3	2.24	81.9	81.3	80.9	3.20	3.51	3.69	-26.5	-39.4	-37.3	0.10		
3.4	2.24	82.2	81.6	81.2	3.16	3.46	3.65	-26.6	-39.6	-37.2	0.11		
3.5	2.25	82.4	81.9	81.5	3.09	3.40	3.58	-26.7	-39.3	-37.2	0.10		
3.6	2.25	82.7	82.2	81.7	3.05	3.37	3.53	-26.8	-39.3	-37.3	0.09		
3.8	2.25	83.0	82.4	82.0	3.01	3.32	3.50	-26.8	-39.4	-37.1	0.09		
3.9	2.26	83.3	82.7	82.3	2.97	3.26	3.44	-26.9	-39.3	-37.1	0.09		
4.0	2.27	83.6	83.0	82.6	2.92	3.23	3.39	-27.0	-39.2	-37.1	0.09		
4.1	2.28	83.9	83.3	82.9	2.85	3.16	3.33	-27.1	-39.2	-37.0	0.09		
4.3	2.30	84.1	83.6	83.1	2.81	3.12	3.27	-27.1	-39.3	-36.8	0.09		
4.4	2.31	84.4	83.9	83.4	2.75	3.06	3.23	-27.3	-38.9	-36.9	0.08		
4.5	2.32	84.7	84.1	83.7	2.71	3.01	3.19	-27.3	-38.9	-36.9	0.09		
4.6	2.33	85.0	84.4	84.0	2.65	2.96	3.12	-27.4	-38.7	-36.7	0.08		
4.8	2.34	85.3	84.7	84.3	2.60	2.91	3.08	-27.5	-38.8	-36.7	0.08		
4.9	2.34	85.6	85.0	84.6	2.56	2.86	3.02	-27.6	-38.9	-36.8	0.08		
5.0	2.35	85.9	85.3	84.9	2.48	2.79	2.94	-27.6	-38.5	-36.6	0.08		