

Voltage Controlled Oscillator

ROS-ED9028/1

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			
1.0	7.19	70.3	69.6	69.1	2.55	4.10	4.49	-18.2	-31.9	-41.4	0.09	1	-92
1.2	7.10	71.7	71.0	70.5	2.69	4.20	4.58	-18.6	-32.2	-41.1	0.13	10	-115
1.4	6.92	73.1	72.4	71.9	2.75	4.26	4.62	-19.0	-32.2	-41.5	0.17	100	-135
1.6	6.70	74.5	73.8	73.2	2.83	4.25	4.60	-19.3	-32.5	-41.5	0.22	1000	-155
1.8	6.43	75.8	75.0	74.5	2.87	4.24	4.58	-19.7	-32.6	-41.4	0.26		
2.0	6.11	77.0	76.3	75.8	2.90	4.22	4.54	-19.9	-32.7	-41.6	0.31		
2.2	5.75	78.1	77.4	76.9	2.90	4.18	4.49	-20.2	-32.7	-41.6	0.35		
2.4	5.36	79.2	78.5	78.0	2.90	4.12	4.41	-20.4	-32.8	-41.7	0.40		
2.6	4.94	80.2	79.5	79.0	2.89	4.06	4.34	-20.6	-32.9	-41.7	0.44		
2.8	4.52	81.1	80.4	79.9	2.87	3.99	4.27	-20.7	-32.9	-41.8	0.48		
3.0	4.08	81.9	81.2	80.8	2.85	3.93	4.19	-20.9	-32.8	-42.0	0.50		
3.2	3.67	82.6	81.9	81.5	2.81	3.87	4.12	-21.0	-32.8	-42.1	0.53		
3.4	3.26	83.2	82.6	82.2	2.78	3.81	4.06	-21.1	-32.8	-42.0	0.53		
3.6	2.87	83.8	83.2	82.8	2.79	3.76	3.99	-21.1	-32.7	-42.2	0.53		
3.8	2.51	84.3	83.7	83.3	2.74	3.71	3.93	-21.2	-32.7	-42.3	0.52		
4.0	2.17	84.7	84.1	83.7	2.72	3.67	3.89	-21.2	-32.7	-42.1	0.50		
4.2	1.86	85.1	84.5	84.1	2.70	3.63	3.84	-21.3	-32.7	-42.1	0.47		
4.4	1.59	85.4	84.8	84.4	2.69	3.60	3.81	-21.3	-32.6	-41.8	0.44		
4.6	1.33	85.7	85.0	84.7	2.67	3.57	3.78	-21.3	-32.6	-42.4	0.40		
4.8	1.11	85.9	85.3	84.9	2.65	3.55	3.76	-21.3	-32.6	-42.2	0.37		
5.0	0.92	86.1	85.4	85.1	2.64	3.53	3.73	-21.3	-32.5	-42.1	0.34		
5.2	0.75	86.2	85.6	85.2	2.62	3.51	3.71	-21.3	-32.5	-42.0	0.30		
5.4	0.61	86.4	85.7	85.3	2.63	3.50	3.69	-21.3	-32.5	-42.1	0.28		
5.6	0.50	86.5	85.8	85.4	2.61	3.49	3.69	-21.3	-32.5	-42.1	0.25		
5.8	0.41	86.6	85.9	85.5	2.60	3.48	3.67	-21.3	-32.4	-42.0	0.24		
6.0	0.35	86.6	86.0	85.6	2.60	3.47	3.67	-21.3	-32.5	-42.1	0.22		
6.2	0.29	86.7	86.0	85.6	2.60	3.46	3.65	-21.3	-32.5	-42.1	0.21		
6.4	0.25	86.7	86.1	85.7	2.59	3.45	3.65	-21.4	-32.5	-42.1	0.21		
6.6	0.22	86.8	86.1	85.7	2.58	3.45	3.64	-21.3	-32.5	-42.0	0.20		
6.8	0.19	86.8	86.2	85.8	2.59	3.44	3.64	-21.3	-32.4	-42.1	0.20		
7.0	0.17	86.8	86.2	85.8	2.59	3.44	3.63	-21.4	-32.4	-41.9	0.19		
7.2	0.16	86.9	86.2	85.9	2.58	3.43	3.63	-21.3	-32.5	-42.1	0.19		
7.4	0.14	86.9	86.3	85.9	2.56	3.43	3.62	-21.4	-32.5	-42.1	0.19		
7.6	0.14	86.9	86.3	85.9	2.55	3.42	3.61	-21.4	-32.5	-41.8	0.19		
7.8	0.12	86.9	86.3	85.9	2.56	3.42	3.61	-21.4	-32.4	-42.1	0.19		
8.0	0.12	87.0	86.3	86.0	2.56	3.42	3.61	-21.4	-32.4	-42.1	0.19		