

Voltage Controlled Oscillator

ROS-ED10093/1

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	2.89	36.4	37.5	35.8	6.85	7.32	7.25	-18.8	-44.9	-44.4	0.14	1	-86
0.3	2.47	37.2	38.1	36.7	6.78	7.24	7.11	-19.6	-44.9	-44.8	0.12	10	-116
0.5	2.26	37.8	38.6	37.4	6.70	7.13	6.97	-20.2	-45.0	-45.0	0.09	100	-138
0.8	2.19	38.4	39.2	38.0	6.62	7.03	6.83	-20.7	-44.8	-45.1	0.09	1000	-154
1.0	2.11	39.0	39.8	38.5	6.48	6.93	6.70	-21.2	-44.9	-45.4	0.10		
1.3	2.03	39.5	40.3	39.1	6.50	6.85	6.58	-21.6	-45.1	-45.5	0.09		
1.5	1.97	40.0	40.8	39.6	6.44	6.76	6.47	-22.0	-45.1	-45.7	0.08		
1.8	1.92	40.5	41.3	40.1	6.36	6.67	6.36	-22.4	-45.4	-45.9	0.07		
2.0	1.89	41.0	41.8	40.6	6.28	6.57	6.24	-22.8	-45.2	-46.0	0.06		
2.3	1.89	41.5	42.2	41.1	6.19	6.47	6.12	-23.1	-45.5	-46.0	0.06		
2.5	1.90	42.0	42.7	41.5	6.10	6.36	5.98	-23.5	-45.6	-46.1	0.05		
2.8	1.90	42.4	43.2	42.0	6.01	6.25	5.85	-23.8	-45.7	-46.2	0.05		
3.0	1.92	42.9	43.6	42.5	5.90	6.13	5.70	-24.1	-45.9	-46.2	0.04		
3.3	1.95	43.4	44.1	43.0	5.79	6.01	5.56	-24.4	-45.9	-46.5	0.04		
3.5	1.97	43.9	44.6	43.4	5.68	5.87	5.41	-24.7	-45.9	-46.5	0.03		
3.8	2.00	44.3	45.1	43.9	5.57	5.74	5.25	-25.0	-46.0	-46.4	0.03		
4.0	2.04	44.8	45.6	44.4	5.43	5.59	5.08	-25.3	-46.1	-46.6	0.02		
4.3	2.09	45.3	46.1	44.9	5.30	5.44	4.91	-25.5	-46.1	-46.5	0.02		
4.5	2.14	45.9	46.6	45.4	5.16	5.28	4.73	-25.8	-46.2	-46.4	0.01		
4.8	2.19	46.4	47.1	46.0	5.01	5.11	4.54	-26.1	-46.5	-46.4	0.01		
5.0	2.23	46.9	47.6	46.5	4.85	4.93	4.34	-26.3	-46.5	-46.4	0.01		
5.3	2.28	47.5	48.2	47.1	4.67	4.74	4.29	-26.6	-46.4	-46.5	0.00		
5.5	2.32	48.1	48.8	47.6	4.49	4.54	4.09	-26.8	-46.4	-46.3	0.00		
5.8	2.37	48.6	49.3	48.2	4.45	4.34	3.89	-27.0	-46.8	-46.1	0.00		
6.0	2.42	49.2	49.9	48.8	4.27	4.28	3.66	-27.2	-46.8	-45.9	0.00		
6.3	2.47	49.8	50.5	49.4	4.07	4.10	3.43	-27.3	-46.9	-46.0	0.00		
6.5	2.53	50.4	51.1	50.0	3.84	3.87	3.18	-27.5	-46.8	-45.8	0.00		
6.8	2.57	51.1	51.7	50.6	3.64	3.63	2.93	-27.7	-46.8	-45.7	0.00		
7.0	2.62	51.7	52.4	51.3	3.39	3.40	2.68	-27.9	-47.1	-45.3	0.00		
7.3	2.67	52.3	53.0	51.9	3.16	3.15	2.42	-28.0	-47.3	-45.2	0.00		
7.5	2.72	53.0	53.7	52.6	2.91	2.88	2.16	-28.1	-47.3	-45.1	0.00		
7.8	2.78	53.7	54.3	53.3	2.66	2.62	1.85	-28.2	-47.4	-44.8	0.00		
8.0	2.83	54.4	55.0	53.9	2.38	2.35	1.57	-28.3	-47.2	-44.5	0.00		
8.3	2.88	55.1	55.7	54.6	2.13	2.04	1.29	-28.4	-47.7	-44.5	0.00		
8.5	2.95	55.8	56.4	55.4	1.82	1.80	1.00	-28.4	-47.7	-44.0	0.00		
8.8	3.00	56.5	57.2	56.1	1.55	1.48	0.69	-28.5	-47.8	-43.8	0.00		
9.0	3.03	57.2	57.9	56.8	1.25	1.19	0.36	-28.4	-47.6	-43.4	0.01		