

Voltage Controlled Oscillator

ROS-ED10599/1

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	3.37	38.4	37.4	36.7	3.10	3.52	3.64	-20.8	-45.5	-36.4	0.30	1	-93
0.3	3.25	38.9	37.9	37.2	3.15	3.57	3.69	-21.9	-46.5	-36.3	0.25	10	-115
0.4	3.21	39.3	38.3	37.7	3.25	3.66	3.77	-23.0	-47.3	-36.2	0.21	100	-135
0.5	3.21	39.7	38.7	38.1	3.30	3.70	3.80	-24.0	-48.0	-36.0	0.23	1000	-160
0.6	3.19	40.2	39.1	38.5	3.36	3.75	3.87	-25.0	-49.0	-36.0	0.30		
0.8	3.13	40.6	39.5	38.9	3.40	3.79	3.88	-26.0	-48.8	-35.9	0.36		
0.9	3.06	40.9	39.9	39.3	3.48	3.88	3.98	-27.0	-48.8	-36.1	0.35		
1.0	2.97	41.3	40.3	39.7	3.50	3.89	3.97	-28.1	-48.6	-36.0	0.33		
1.1	2.90	41.7	40.7	40.1	3.57	3.96	4.04	-29.0	-48.8	-36.3	0.31		
1.3	2.85	42.0	41.0	40.4	3.59	3.98	4.08	-30.1	-48.3	-36.3	0.30		
1.4	2.80	42.4	41.4	40.8	3.64	4.01	4.10	-31.3	-49.0	-36.4	0.29		
1.5	2.77	42.7	41.8	41.2	3.65	4.05	4.14	-32.4	-48.6	-36.5	0.28		
1.6	2.73	43.1	42.1	41.5	3.71	4.10	4.19	-33.6	-47.9	-36.5	0.26		
1.8	2.70	43.4	42.5	41.9	3.73	4.11	4.20	-34.8	-48.6	-36.6	0.26		
1.9	2.68	43.7	42.8	42.2	3.79	4.16	4.26	-36.2	-48.6	-36.8	0.24		
2.0	2.65	44.0	43.1	42.6	3.82	4.19	4.28	-37.6	-48.6	-37.0	0.24		
2.1	2.64	44.4	43.5	42.9	3.83	4.22	4.30	-39.1	-48.5	-37.1	0.23		
2.3	2.64	44.7	43.8	43.3	3.86	4.25	4.32	-40.8	-48.5	-37.1	0.23		
2.4	2.63	45.0	44.2	43.6	3.90	4.27	4.36	-42.5	-48.6	-37.0	0.21		
2.5	2.64	45.3	44.5	43.9	3.90	4.27	4.34	-44.3	-48.6	-37.2	0.21		
2.6	2.63	45.7	44.8	44.2	3.96	4.33	4.41	-46.0	-49.0	-37.3	0.20		
2.8	2.64	46.0	45.1	44.6	3.96	4.34	4.41	-47.1	-48.4	-37.2	0.19		
2.9	2.65	46.3	45.5	44.9	3.96	4.33	4.40	-47.5	-48.9	-37.4	0.18		
3.0	2.65	46.6	45.8	45.2	4.00	4.36	4.45	-46.5	-48.5	-37.5	0.18		
3.1	2.67	47.0	46.1	45.6	4.02	4.39	4.46	-44.8	-48.6	-37.6	0.18		
3.3	2.68	47.3	46.5	45.9	3.99	4.38	4.45	-43.3	-48.8	-37.7	0.17		
3.4	2.68	47.6	46.8	46.2	4.02	4.40	4.46	-42.2	-48.8	-37.8	0.17		
3.5	2.71	48.0	47.1	46.6	4.01	4.38	4.46	-41.3	-48.8	-37.7	0.16		
3.6	2.71	48.3	47.5	46.9	4.01	4.37	4.44	-40.4	-49.1	-37.8	0.15		
3.8	2.72	48.6	47.8	47.2	3.99	4.37	4.43	-39.4	-49.0	-38.0	0.15		
3.9	2.75	49.0	48.1	47.6	3.99	4.37	4.43	-38.7	-48.7	-38.0	0.14		
4.0	2.76	49.3	48.5	47.9	3.97	4.34	4.41	-38.2	-48.8	-38.0	0.13		
4.1	2.79	49.6	48.8	48.3	3.95	4.31	4.39	-37.6	-48.9	-38.0	0.14		
4.3	2.82	50.0	49.2	48.6	3.92	4.30	4.36	-36.9	-49.1	-38.2	0.13		
4.4	2.84	50.3	49.5	49.0	3.85	4.23	4.30	-36.5	-49.5	-38.0	0.13		
4.5	2.86	50.7	49.9	49.3	3.80	4.17	4.24	-36.1	-49.3	-38.2	0.13		
4.6	2.88	51.0	50.2	49.7	3.77	4.15	4.23	-35.5	-49.8	-38.2	0.12		
4.8	2.92	51.4	50.6	50.0	3.69	4.09	4.15	-35.2	-50.0	-38.2	0.12		
4.9	2.94	51.7	50.9	50.4	3.62	4.01	4.09	-34.8	-49.6	-38.3	0.11		
5.0	2.96	52.1	51.3	50.7	3.55	3.95	4.01	-34.3	-50.4	-38.3	0.11		