

# Voltage Controlled Oscillator

# ROS-ED10026/1

## 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	5.38	92.3	91.6	91.0	0.04	0.61	0.85	-21.0	-34.5	-43.8	0.11	1 10 100 1000	-93 -115 -134 -149
0.3	5.34	93.0	92.2	91.7	0.06	0.61	0.86	-21.2	-34.7	-43.8	0.11		
0.4	5.28	93.7	92.9	92.3	0.05	0.63	0.85	-21.4	-34.6	-43.9	0.11		
0.5	5.28	94.3	93.6	93.0	0.03	0.62	0.88	-21.6	-34.7	-43.5	0.11		
0.6	5.23	95.0	94.2	93.6	0.01	0.61	0.86	-21.7	-34.7	-43.4	0.11		
0.8	5.20	95.6	94.9	94.3	-0.01	0.59	0.85	-21.9	-34.8	-43.4	0.12		
0.9	5.18	96.3	95.5	94.9	-0.04	0.57	0.83	-22.1	-34.8	-43.0	0.12		
1.0	5.08	96.9	96.1	95.6	-0.07	0.55	0.82	-22.2	-34.9	-42.9	0.12		
1.1	5.06	97.6	96.8	96.2	0.03	0.52	0.78	-22.3	-34.8	-43.4	0.13		
1.3	4.94	98.2	97.4	96.8	-0.01	0.49	0.76	-22.5	-34.8	-42.8	0.14		
1.4	4.86	98.8	98.0	97.4	-0.06	0.59	0.73	-22.6	-34.8	-42.9	0.14		
1.5	4.75	99.4	98.6	98.0	-0.10	0.55	0.83	-22.7	-34.6	-42.8	0.14		
1.6	4.64	99.9	99.2	98.6	-0.15	0.51	0.78	-22.8	-34.8	-43.5	0.14		
1.8	4.53	100.5	99.7	99.2	-0.20	0.46	0.75	-22.9	-34.9	-42.5	0.14		
1.9	4.37	101.0	100.3	99.8	-0.26	0.41	0.70	-23.0	-34.8	-43.0	0.14		
2.0	4.25	101.6	100.8	100.3	-0.31	0.36	0.66	-23.1	-34.8	-42.8	0.14		
2.1	4.11	102.1	101.3	100.8	-0.37	0.32	0.61	-23.2	-34.8	-42.8	0.15		
2.3	3.95	102.6	101.8	101.3	-0.48	0.26	0.56	-23.2	-34.8	-42.6	0.15		
2.4	3.83	103.0	102.3	101.8	-0.54	0.21	0.51	-23.3	-34.7	-42.6	0.15		
2.5	3.66	103.5	102.8	102.3	-0.59	0.11	0.46	-23.4	-34.6	-42.1	0.15		
2.6	3.53	103.9	103.2	102.7	-0.65	0.05	0.35	-23.3	-34.7	-42.0	0.15		
2.8	3.38	104.3	103.6	103.1	-0.70	0.00	0.30	-23.4	-34.6	-41.9	0.15		
2.9	3.23	104.7	104.0	103.6	-0.76	-0.05	0.25	-23.4	-34.5	-42.0	0.15		
3.0	3.04	105.1	104.4	103.9	-0.81	-0.10	0.20	-23.5	-34.6	-41.9	0.16		
3.1	2.89	105.5	104.8	104.3	-0.87	-0.15	0.15	-23.5	-34.6	-41.7	0.16		
3.3	2.75	105.8	105.1	104.7	-0.92	-0.20	0.10	-23.6	-34.4	-41.5	0.16		
3.4	2.58	106.1	105.4	105.0	-0.96	-0.24	0.06	-23.5	-34.5	-41.6	0.17		
3.5	2.40	106.4	105.7	105.3	-1.01	-0.29	0.02	-23.5	-34.2	-41.6	0.17		
3.6	2.21	106.7	106.0	105.6	-1.05	-0.33	-0.03	-23.5	-34.3	-41.4	0.17		
3.8	2.04	106.9	106.3	105.9	-1.09	-0.37	-0.06	-23.6	-34.3	-41.3	0.18		
3.9	1.86	107.1	106.5	106.1	-1.12	-0.40	-0.10	-23.6	-34.3	-41.4	0.18		
4.0	1.67	107.3	106.7	106.3	-1.14	-0.43	-0.13	-23.5	-34.0	-41.0	0.18		
4.1	1.52	107.5	106.9	106.5	-1.12	-0.45	-0.16	-23.5	-34.1	-41.1	0.18		
4.3	1.34	107.7	107.1	106.7	-1.15	-0.48	-0.18	-23.6	-34.1	-40.9	0.17		
4.4	1.18	107.8	107.2	106.8	-1.17	-0.50	-0.21	-23.6	-34.0	-40.8	0.17		
4.5	1.04	107.9	107.3	107.0	-1.19	-0.52	-0.22	-23.5	-34.1	-40.7	0.16		
4.6	0.91	108.0	107.5	107.1	-1.20	-0.53	-0.24	-23.6	-33.9	-41.0	0.16		
4.8	0.79	108.1	107.6	107.2	-1.22	-0.50	-0.26	-23.6	-34.0	-40.8	0.15		
4.9	0.68	108.2	107.6	107.3	-1.23	-0.51	-0.27	-23.6	-33.9	-40.6	0.14		
5.0	0.59	108.3	107.7	107.4	-1.24	-0.52	-0.28	-23.6	-33.8	-40.9	0.14		