

Voltage Controlled Oscillator

ROS-EDR6462/1

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			
0.3	2.57	96.8	96.3	95.9	-1.06	-0.63	-0.61	-14.8	-34.0	-49.5	-0.07	0.1	-72
0.5	2.42	97.4	96.9	96.5	-1.07	-0.63	-0.60	-15.1	-34.3	-49.7	-0.08	1	-95
0.8	2.34	98.0	97.5	97.2	-1.08	-0.64	-0.60	-15.3	-34.5	-49.9	-0.07	10	-116
1.0	2.28	98.6	98.1	97.7	-1.08	-0.64	-0.59	-15.6	-34.7	-50.1	-0.08	100	-135
1.3	2.27	99.1	98.7	98.3	-1.09	-0.64	-0.59	-15.8	-35.0	-50.2	-0.08	1000	-152
1.5	2.26	99.7	99.2	98.9	-1.10	-0.64	-0.59	-16.0	-35.2	-50.4	-0.08		
1.8	2.28	100.3	99.8	99.5	-1.11	-0.65	-0.59	-16.3	-35.5	-50.6	-0.08		
2.0	2.30	100.8	100.4	100.0	-1.11	-0.65	-0.59	-16.5	-35.8	-50.9	-0.08		
2.3	2.33	101.4	101.0	100.6	-1.12	-0.66	-0.60	-16.7	-36.0	-51.0	-0.08		
2.5	2.36	102.0	101.5	101.2	-1.13	-0.66	-0.60	-17.0	-36.3	-51.1	-0.08		
2.8	2.40	102.6	102.1	101.8	-1.14	-0.67	-0.60	-17.2	-36.6	-51.1	-0.09		
3.0	2.43	103.2	102.7	102.4	-1.15	-0.68	-0.61	-17.5	-36.9	-51.3	-0.09		
3.3	2.46	103.8	103.3	103.0	-1.16	-0.69	-0.62	-17.7	-37.3	-51.4	-0.09		
3.5	2.48	104.4	104.0	103.6	-1.17	-0.70	-0.63	-18.0	-37.6	-51.6	-0.10		
3.8	2.49	105.0	104.6	104.2	-1.18	-0.71	-0.64	-18.2	-37.9	-51.7	-0.10		
4.0	2.50	105.7	105.2	104.8	-1.20	-0.72	-0.65	-18.5	-38.2	-51.9	-0.10		
4.3	2.48	106.3	105.8	105.5	-1.21	-0.73	-0.66	-18.8	-38.5	-52.1	-0.11		
4.5	2.46	106.9	106.4	106.1	-1.23	-0.75	-0.68	-19.1	-38.8	-52.3	-0.11		
4.8	2.43	107.5	107.1	106.7	-1.24	-0.76	-0.69	-19.3	-39.2	-52.5	-0.11		
5.0	2.38	108.1	107.7	107.3	-1.25	-0.78	-0.71	-19.6	-39.5	-52.9	-0.12		
5.3	2.34	108.7	108.3	107.9	-1.27	-0.80	-0.73	-19.9	-39.8	-53.0	-0.12		
5.5	2.28	109.3	108.8	108.5	-1.28	-0.82	-0.75	-20.2	-40.0	-53.1	-0.13		
5.8	2.23	109.9	109.4	109.1	-1.30	-0.84	-0.77	-20.4	-40.4	-53.3	-0.13		
6.0	2.17	110.4	110.0	109.6	-1.32	-0.85	-0.80	-20.7	-40.6	-53.6	-0.13		
6.3	2.10	111.0	110.5	110.2	-1.33	-0.87	-0.82	-21.0	-40.9	-53.7	-0.14		
6.5	2.04	111.5	111.0	110.7	-1.35	-0.89	-0.84	-21.2	-41.2	-53.9	-0.14		
6.8	1.97	112.0	111.6	111.2	-1.36	-0.91	-0.87	-21.5	-41.5	-53.9	-0.15		
7.0	1.97	112.5	112.0	111.7	-1.38	-0.93	-0.89	-21.7	-41.8	-54.2	-0.15		