

Voltage Controlled Oscillator

ROS-EDR10975

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			
0.00	5.53	807.2	805.3	804.1	-4.03	-4.02	-4.11	-18.6	-31.5	-27.8	0.35	1	-100
0.25	4.68	808.5	806.7	805.5	-4.11	-4.09	-4.16	-19.1	-30.0	-28.1	0.24	10	-127
0.50	4.27	809.7	807.9	806.7	-4.18	-4.15	-4.22	-19.1	-29.8	-28.3	0.16	100	-146
0.75	4.06	810.7	808.9	807.8	-4.25	-4.21	-4.27	-19.3	-29.4	-28.6	0.13	1000	-155
1.00	3.94	811.7	809.9	808.8	-4.31	-4.27	-4.32	-19.9	-29.2	-28.7	0.11		
1.25	3.87	812.7	810.9	809.8	-4.37	-4.33	-4.37	-20.2	-29.0	-29.2	0.10		
1.50	3.84	813.7	811.9	810.8	-4.44	-4.38	-4.42	-20.5	-28.8	-29.3	0.09		
1.75	3.83	814.6	812.8	811.7	-4.50	-4.44	-4.47	-21.0	-28.5	-29.6	0.09		
2.00	3.83	815.6	813.8	812.7	-4.56	-4.49	-4.52	-21.0	-28.4	-29.8	0.10		
2.25	3.84	816.5	814.8	813.6	-4.63	-4.55	-4.58	-21.3	-28.3	-30.0	0.11		
2.50	3.85	817.5	815.7	814.6	-4.69	-4.61	-4.63	-21.7	-28.2	-30.3	0.12		
2.75	3.86	818.5	816.7	815.5	-4.75	-4.67	-4.68	-22.6	-27.9	-30.8	0.14		
3.00	3.86	819.4	817.6	816.5	-4.82	-4.73	-4.74	-22.5	-27.9	-31.1	0.15		
3.25	3.86	820.4	818.6	817.5	-4.88	-4.78	-4.79	-22.9	-27.9	-30.9	0.18		
3.50	3.85	821.4	819.6	818.4	-4.94	-4.84	-4.85	-23.9	-27.6	-31.4	0.20		
3.75	3.83	822.3	820.5	819.4	-5.01	-4.90	-4.90	-24.2	-27.5	-31.7	0.22		
4.00	3.81	823.3	821.5	820.4	-5.07	-4.96	-4.95	-24.4	-27.4	-31.7	0.25		
4.25	3.78	824.2	822.4	821.3	-5.14	-5.01	-5.01	-24.7	-27.6	-32.9	0.28		
4.50	3.74	825.2	823.4	822.3	-5.20	-5.07	-5.06	-25.1	-27.5	-32.9	0.30		
4.75	3.70	826.1	824.3	823.2	-5.26	-5.13	-5.12	-25.0	-27.1	-33.5	0.33		
5.00	3.66	827.1	825.3	824.1	-5.32	-5.19	-5.17	-25.3	-27.3	-33.6	0.35		
5.25	3.61	828.0	826.2	825.0	-5.38	-5.24	-5.22	-25.5	-27.5	-34.8	0.37		
5.50	3.56	828.9	827.1	825.9	-5.43	-5.29	-5.27	-25.5	-27.4	-34.6	0.39		
5.75	3.51	829.8	828.0	826.8	-5.49	-5.35	-5.33	-25.5	-27.3	-34.6	0.40		
6.00	3.45	830.6	828.8	827.7	-5.54	-5.40	-5.38	-25.5	-27.3	-35.2	0.42		
6.25	3.39	831.5	829.7	828.6	-5.59	-5.45	-5.42	-25.3	-27.1	-35.7	0.43		
6.50	3.32	832.3	830.5	829.4	-5.64	-5.50	-5.47	-25.5	-27.0	-35.1	0.43		
6.75	3.26	833.2	831.4	830.3	-5.69	-5.55	-5.52	-25.3	-27.0	-34.9	0.44		
7.00	3.26	834.0	832.2	831.1	-5.74	-5.59	-5.57	-25.1	-26.6	-36.0	0.44		

Notes

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