

Voltage Controlled Oscillator

ROS-ED9719/2

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			
0.2	12.25	275.5	274.1	272.6	0.33	0.20	0.28	-25.4	-33.2	-35.6	1.13	1	-88
0.4	11.44	277.8	276.4	274.9	0.31	0.42	0.31	-25.7	-32.9	-35.3	1.03	10	-116
0.6	10.96	280.0	278.6	277.0	0.29	0.40	0.32	-25.9	-32.9	-35.1	0.89	100	-136
0.8	10.73	282.2	280.8	279.1	0.25	0.37	0.31	-26.1	-33.0	-35.2	0.74	1000	-155
1.0	10.59	284.3	282.9	281.1	0.19	0.34	0.30	-26.2	-33.0	-35.1	0.65		
1.2	10.68	286.5	285.0	283.2	0.13	0.32	0.27	-26.3	-33.0	-35.1	0.63		
1.4	10.72	288.7	287.2	285.4	0.07	0.29	0.24	-26.3	-33.2	-35.3	0.65		
1.6	10.73	291.0	289.3	287.6	-0.01	0.27	0.21	-26.3	-32.8	-35.5	0.71		
1.8	10.82	293.9	291.5	289.8	-0.09	0.25	0.17	-26.3	-32.7	-35.1	0.77		
2.0	14.39	295.9	294.4	292.1	-0.13	0.24	0.11	-25.9	-34.1	-35.0	1.02		
2.2	10.59	297.6	296.5	294.7	-0.17	0.15	0.02	-26.6	-32.8	-33.9	0.97		
2.4	9.38	299.4	298.3	297.0	-0.22	0.10	0.03	-26.9	-32.4	-33.2	1.26		
2.6	9.59	301.2	300.3	299.0	-0.27	0.06	0.02	-26.8	-32.2	-32.8	1.50		
2.8	9.56	302.9	302.2	301.1	-0.31	0.04	0.00	-26.9	-32.1	-32.1	1.70		
3.0	9.38	304.7	304.1	303.1	-0.35	0.01	-0.04	-27.0	-31.8	-31.6	1.89		
3.2	9.16	306.4	305.9	305.0	-0.38	0.00	-0.09	-27.0	-31.6	-31.3	2.05		
3.4	9.03	308.0	307.7	307.0	-0.42	-0.03	-0.15	-26.9	-31.7	-30.8	2.20		
3.6	8.78	309.6	309.4	308.8	-0.45	-0.03	-0.21	-26.9	-31.9	-30.7	2.31		
3.8	8.55	311.2	311.2	310.6	-0.47	-0.04	-0.27	-26.8	-32.1	-31.0	2.40		
4.0	8.26	312.7	312.8	312.3	-0.49	-0.05	-0.33	-26.6	-32.4	-31.3	2.49		
4.2	8.00	314.2	314.4	313.9	-0.50	-0.08	-0.38	-26.5	-32.8	-31.2	2.54		
4.4	7.64	315.6	315.9	315.5	-0.51	-0.11	-0.43	-26.5	-32.9	-31.2	2.58		
4.6	7.26	317.0	317.4	317.0	-0.53	-0.14	-0.47	-26.4	-32.9	-31.4	2.63		
4.8	6.90	318.3	318.8	318.4	-0.52	-0.17	-0.52	-26.4	-33.0	-31.2	2.65		
5.0	6.52	319.5	320.1	319.7	-0.53	-0.21	-0.55	-26.4	-32.8	-30.7	2.66		
5.2	6.16	320.8	321.3	320.9	-0.53	-0.23	-0.59	-26.3	-33.0	-30.8	2.67		
5.4	5.78	321.9	322.5	322.1	-0.54	-0.26	-0.61	-26.1	-33.0	-30.7	2.66		
5.6	5.48	323.0	323.6	323.2	-0.54	-0.28	-0.64	-26.1	-33.2	-30.5	2.65		
5.8	5.18	324.1	324.6	324.2	-0.54	-0.30	-0.66	-26.0	-33.4	-30.4	2.62		
6.0	4.84	325.1	325.6	325.1	-0.55	-0.32	-0.68	-26.0	-33.3	-30.3	2.57		
6.2	4.54	326.1	326.5	326.0	-0.55	-0.33	-0.69	-25.7	-33.7	-29.9	2.52		
6.4	4.28	327.0	327.3	326.8	-0.56	-0.35	-0.71	-25.9	-33.6	-29.8	2.44		
6.6	3.97	327.9	328.1	327.6	-0.56	-0.36	-0.73	-25.7	-33.4	-29.6	2.36		
6.8	3.68	328.7	328.9	328.3	-0.58	-0.38	-0.74	-25.7	-33.3	-29.6	2.26		
7.0	3.43	329.5	329.5	328.9	-0.59	-0.39	-0.76	-25.7	-33.1	-29.4	2.15		
7.2	3.16	330.2	330.2	329.5	-0.60	-0.41	-0.77	-25.7	-33.0	-29.1	2.03		
7.4	2.88	330.9	330.7	330.0	-0.62	-0.42	-0.78	-25.6	-33.3	-29.1	1.89		
7.6	2.61	331.6	331.3	330.4	-0.64	-0.44	-0.80	-25.6	-33.0	-29.2	1.76		
7.8	2.38	332.2	331.7	330.8	-0.66	-0.45	-0.81	-25.6	-33.1	-29.3	1.60		
8.0	2.11	332.8	332.2	331.2	-0.69	-0.47	-0.82	-25.6	-33.1	-29.5	1.45		