

Voltage Controlled Oscillator

ROS-EDR10817

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			
0.0	122.06	3228.8	3206.2	3193.8	5.84	5.07	4.37	-23.95	-25.77	-33.76	9.41	1	-64
0.5	103.41	3288.5	3267.2	3257.7	5.66	4.74	4.38	-21.78	-24.40	-34.42	5.92	10	-89
1.0	92.19	3337.8	3318.9	3310.9	5.66	4.69	4.46	-21.02	-25.45	-35.94	5.30	100	-112
1.5	87.18	3383.3	3365.0	3358.7	5.65	4.73	4.58	-19.81	-28.23	-36.02	4.38	1000	-133
2.0	84.05	3425.1	3408.6	3403.5	5.44	4.85	4.65	-18.58	-28.18	-36.51	3.69		
2.5	83.86	3466.6	3450.6	3446.3	5.35	4.80	4.54	-17.82	-27.85	-36.62	3.50		
3.0	81.59	3506.6	3492.5	3488.2	5.31	5.02	4.61	-16.84	-36.25	-37.71	1.42		
3.5	84.69	3548.0	3533.3	3530.5	5.35	5.20	4.69	-16.16	-28.94	-37.90	1.18		
4.0	87.36	3589.2	3575.7	3572.7	5.32	5.26	4.79	-15.64	-32.24	-38.15	1.01		
4.5	89.61	3631.2	3619.4	3615.3	5.28	5.24	4.60	-14.23	-29.76	-38.48	0.81		
5.0	90.73	3677.7	3664.2	3659.3	5.38	5.33	4.68	-14.52	-29.19	-38.82	1.14		
5.5	91.18	3724.9	3709.5	3702.2	5.44	5.42	4.71	-13.72	-29.94	-40.04	1.93		
6.0	87.51	3772.7	3755.1	3746.1	5.28	5.32	4.70	-13.81	-30.28	-41.15	2.66		
6.5	88.12	3819.3	3798.9	3788.8	5.27	5.19	4.48	-13.27	-30.53	-42.76	3.26		
7.0	85.88	3864.1	3843.0	3831.7	5.34	5.24	4.50	-13.60	-29.34	-43.27	3.87		
7.5	85.83	3908.0	3885.9	3874.1	5.35	5.23	4.51	-13.70	-29.74	-44.22	4.07		
8.0	85.49	3951.7	3928.8	3916.4	5.14	5.11	4.47	-13.77	-29.13	-46.74	4.03		
8.5	86.01	3995.0	3971.6	3958.8	5.08	4.92	4.26	-14.48	-29.58	-47.25	3.92		
9.0	87.57	4038.5	4014.6	4001.2	5.17	4.90	4.21	-15.25	-28.04	-46.83	4.24		
9.5	87.65	4082.5	4058.3	4044.1	5.06	4.94	4.28	-16.86	-29.47	-45.95	3.91		
10.0	88.59	4126.9	4102.2	4087.1	4.87	4.74	4.18	-17.85	-28.93	-44.93	3.73		
10.5	88.88	4171.6	4146.5	4130.6	4.83	4.66	3.98	-18.12	-28.29	-43.12	3.64		
11.0	89.29	4216.4	4190.9	4174.4	4.85	4.59	3.99	-18.65	-28.61	-44.41	3.49		
11.5	88.69	4261.3	4235.5	4217.9	4.88	4.64	3.91	-18.65	-28.66	-45.18	3.40		
12.0	87.86	4306.1	4279.9	4261.9	4.63	4.51	3.96	-18.74	-28.67	-49.60	3.28		
12.5	87.08	4350.3	4323.8	4305.1	4.63	4.34	3.72	-19.23	-28.46	-56.25	3.37		
13.0	86.30	4394.2	4367.4	4348.1	4.61	4.32	3.70	-19.50	-28.26	-58.37	3.52		
13.5	85.50	4438.0	4410.5	4390.6	4.41	4.19	3.66	-20.20	-28.24	-55.01	3.65		
14.0	82.40	4480.9	4453.3	4432.3	4.37	4.07	3.50	-21.41	-27.43	-54.14	3.73		
14.5	79.58	4522.2	4494.5	4473.2	4.26	4.00	3.43	-22.17	-26.99	-50.34	3.65		
15.0	77.27	4562.5	4534.2	4512.4	4.34	3.92	3.36	-22.70	-26.89	-51.60	3.73		
15.5	73.69	4600.7	4572.9	4550.6	4.27	4.01	3.35	-23.78	-27.00	-53.18	3.80		
16.0	71.17	4637.8	4609.7	4587.3	4.11	3.91	3.36	-24.80	-26.85	-53.96	3.95		
16.5	67.40	4673.3	4645.3	4622.3	4.08	3.75	3.22	-26.56	-26.80	-53.81	3.94		
17.0	63.46	4706.8	4679.0	4655.9	4.05	3.71	3.09	-24.82	-27.38	-55.53	3.89		
17.5	61.90	4739.5	4710.7	4687.8	3.96	3.68	3.08	-25.81	-27.83	-56.04	3.53		
18.0	58.70	4770.5	4741.7	4718.1	3.94	3.60	3.02	-27.41	-27.88	-57.18	3.28		
18.5	56.13	4799.7	4771.0	4747.4	3.92	3.59	2.94	-26.35	-28.41	-58.08	3.00		
19.0	56.13	4828.5	4799.1	4775.4	3.75	3.55	2.93	-27.36	-29.04	-57.28	2.21		

Notes

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