

Voltage Controlled Oscillator

ROS-ED12636/1

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			
0.0	22.78	3884.1	3868.0	3856.4	4.96	5.10	4.91	-28.26	-36.18	-63.94	0.51	1	-77
1.0	16.09	3902.2	3886.5	3875.7	4.77	4.95	4.73	-29.29	-39.49	-68.88	0.50	10	-102
2.0	15.18	3919.3	3901.9	3891.2	4.33	4.68	4.51	-29.17	-39.16	-65.93	0.52	100	-122
3.0	17.24	3939.2	3917.6	3906.1	4.37	4.39	4.29	-30.15	-42.88	-66.38	0.61	1000	-142
4.0	17.89	3954.2	3935.8	3922.3	4.55	4.32	4.02	-30.09	-41.95	-67.46	0.63		
5.0	15.04	3968.1	3952.1	3940.2	4.84	4.63	4.15	-28.92	-44.24	-65.35	0.49		
6.0	15.12	3982.4	3967.0	3956.5	4.78	4.65	4.23	-28.85	-44.08	-67.19	0.45		
7.0	16.21	3997.9	3982.6	3972.3	4.68	4.58	4.22	-29.95	-46.23	-63.66	0.43		
8.0	17.73	4015.3	3999.5	3989.1	4.59	4.56	4.20	-30.16	-50.30	-67.32	0.44		
9.0	19.05	4034.2	4017.8	4007.2	4.50	4.52	4.18	-29.92	-54.67	-68.92	0.42		
10.0	18.99	4053.5	4036.9	4026.2	4.48	4.51	4.18	-30.79	-65.18	-67.68	0.40		
11.0	17.52	4072.1	4055.2	4044.5	4.52	4.50	4.14	-31.30	-62.77	-67.31	0.37		
12.0	15.92	4089.0	4071.9	4061.2	4.51	4.42	3.98	-31.09	-59.53	-68.54	0.36		
13.0	14.58	4104.3	4087.1	4076.6	4.37	4.24	3.70	-31.51	-57.78	-67.40	0.36		
14.0	13.59	4118.5	4101.2	4090.7	4.13	3.97	3.33	-32.03	-58.09	-67.98	0.32		
15.0	12.47	4131.6	4114.3	4104.0	3.86	3.68	2.93	-32.45	-58.30	-68.23	0.26		
16.0	10.93	4143.4	4126.1	4115.9	3.62	3.43	2.54	-32.91	-57.25	-67.96	0.14		
17.0	9.04	4153.6	4136.1	4126.1	3.39	3.20	2.15	-33.71	-57.18	-67.57	0.09		
18.0	7.37	4161.8	4144.3	4134.4	3.15	2.96	1.74	-34.88	-58.91	-67.98	0.11		
19.0	5.72	4168.3	4150.8	4141.0	2.96	2.76	1.37	-36.06	-59.77	-66.19	0.14		