

Voltage Controlled Oscillator

ROS-ED12612/1

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	57.43	3339.1	3319.2	3293.3	2.79	2.99	2.52	-29.71	-29.39	-50.27	3.58	1	-68
1.0	43.68	3385.1	3366.6	3343.3	3.31	3.45	3.12	-32.30	-33.61	-55.60	3.09	10	-92
2.0	47.69	3431.9	3411.7	3387.5	4.05	3.92	3.35	-34.74	-38.80	-55.10	2.95	100	-112
3.0	53.09	3483.0	3461.8	3437.8	4.50	4.42	3.59	-35.19	-47.37	-54.36	2.63	1000	-132
4.0	65.44	3543.5	3520.0	3494.9	4.61	4.61	4.05	-34.90	-49.32	-53.61	2.54		
5.0	71.00	3612.0	3588.1	3563.9	5.81	5.38	4.51	-33.14	-45.64	-64.14	2.22		
6.0	75.73	3688.1	3663.3	3638.9	6.07	5.96	5.04	-30.40	-43.18	-68.43	1.97		
7.0	75.94	3762.5	3737.1	3715.0	6.88	6.43	5.66	-27.81	-40.97	-63.03	1.67		
8.0	71.39	3833.6	3809.8	3790.6	7.82	7.45	6.33	-28.24	-44.27	-55.59	1.37		
9.0	71.68	3905.0	3882.6	3864.6	7.80	7.34	6.39	-29.92	-51.63	-57.21	1.27		
10.0	70.76	3974.9	3952.6	3935.6	8.34	7.84	6.71	-29.11	-58.69	-61.11	1.28		
11.0	65.73	4043.1	4021.3	4005.2	9.13	8.92	7.99	-27.97	-66.22	-71.15	1.21		
12.0	65.91	4109.6	4087.6	4071.7	9.05	8.49	7.43	-28.93	-68.36	-72.02	1.20		
13.0	62.00	4172.4	4150.9	4135.9	9.66	9.43	8.45	-30.41	-67.84	-68.61	1.14		
14.0	59.93	4233.4	4213.2	4198.4	8.77	8.57	7.83	-31.63	-72.63	-70.29	1.06		
15.0	57.44	4290.1	4270.2	4256.0	9.19	8.74	7.85	-32.61	-71.22	-73.17	0.93		
16.0	52.04	4343.3	4324.8	4311.8	9.06	8.78	7.85	-35.56	-71.80	-64.85	0.68		
17.0	52.45	4395.0	4376.0	4364.1	8.69	8.64	7.92	-38.74	-64.94	-56.71	0.64		
18.0	50.38	4446.2	4428.3	4415.3	8.71	8.38	7.66	-36.89	-59.81	-53.75	0.91		
19.0	45.29	4492.5	4475.8	4462.0	9.09	8.76	8.05	-33.78	-62.05	-56.00	1.17		
20.0	41.75	4536.7	4520.0	4505.0	8.74	8.60	8.02	-33.05	-60.28	-56.33	1.37		
21.0	38.06	4576.5	4559.6	4544.4	8.33	8.23	7.74	-33.52	-58.93	-61.97	1.56		
22.0	35.31	4613.8	4596.8	4580.3	8.05	7.89	7.43	-32.00	-58.54	-56.38	1.72		