

Voltage Controlled Oscillator

ROS-ED12268/1

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	138.71	2900.7	2857.9	2819.6	8.35	8.74	8.19	-17.60	-25.53	-38.87	6.55	1	-64
1.0	94.61	3004.5	2964.5	2938.9	8.81	8.69	7.66	-23.25	-33.72	-50.60	3.90	10	-89
2.0	83.62	3089.3	3053.8	3033.5	8.39	8.43	6.97	-26.15	-26.41	-57.02	3.06	100	-109
3.0	80.66	3169.5	3137.2	3120.5	8.93	8.91	6.74	-28.55	-26.06	-49.03	2.53	1000	-129
4.0	80.19	3249.4	3218.8	3203.9	8.49	8.25	5.75	-30.42	-26.57	-47.49	2.14		
5.0	80.87	3329.3	3300.0	3285.7	9.42	9.26	6.59	-31.89	-28.91	-51.03	1.88		
6.0	78.35	3407.8	3380.2	3366.4	8.66	8.57	6.11	-32.36	-28.68	-56.96	1.83		
7.0	78.62	3485.0	3459.0	3445.6	9.42	9.40	6.65	-32.50	-31.64	-63.31	1.50		
8.0	76.96	3560.6	3536.1	3523.0	8.51	8.69	6.23	-32.55	-36.01	-59.48	1.30		
9.0	75.49	3635.2	3612.1	3599.1	8.96	8.91	6.59	-32.27	-35.74	-66.61	1.10		
10.0	75.26	3710.4	3688.4	3674.9	8.62	9.07	7.47	-31.98	-33.52	-66.01	0.82		
11.0	77.21	3786.4	3764.9	3750.7	8.47	8.49	7.04	-31.91	-31.93	-64.42	0.58		
12.0	78.33	3863.1	3842.3	3827.3	8.46	8.87	7.91	-31.99	-34.38	-62.86	0.35		
13.0	78.24	3940.5	3920.4	3904.8	8.17	8.34	7.44	-32.24	-38.25	-66.42	0.21		
14.0	76.29	4017.9	3998.2	3981.9	8.32	8.82	8.11	-30.14	-41.64	-65.63	0.08		
15.0	71.95	4092.3	4072.9	4056.1	7.37	7.68	7.06	-28.99	-47.63	-65.09	0.19		
16.0	64.92	4160.1	4140.8	4123.4	8.18	8.80	8.11	-40.54	-41.19	-66.41	0.36		
17.0	50.24	4216.9	4197.2	4178.8	6.99	7.86	7.57	-26.55	-38.53	-64.93	0.06		
18.0	36.86	4259.6	4240.4	4221.6	6.55	7.24	6.94	-26.66	-36.91	-65.16	0.65		
19.0	27.50	4291.4	4272.1	4252.7	6.92	7.54	7.14	-27.04	-34.29	-64.95	1.36		
20.0	21.59	4316.1	4296.7	4276.4	7.21	7.87	7.46	-26.59	-34.23	-63.91	1.83		
21.0	18.04	4336.2	4316.6	4295.5	7.28	8.01	7.61	-26.87	-33.98	-65.57	2.09		
22.0	15.29	4352.8	4333.3	4311.7	7.23	7.99	7.63	-27.07	-34.37	-63.10	2.28		