

Voltage Controlled Oscillator

ROS-ED12268/2

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			
0.00	138.71	2900.71	2857.92	2819.64	8.35	8.74	8.19	-17.60	-25.53	-38.87	6.55	1	-66
1.00	94.61	3004.50	2964.52	2938.88	8.81	8.69	7.66	-23.25	-33.72	-50.60	3.90	10	-91
2.00	83.62	3089.31	3053.76	3033.53	8.39	8.43	6.97	-26.15	-26.41	-57.02	3.06	100	-112
3.00	80.66	3169.49	3137.16	3120.45	8.93	8.91	6.74	-28.55	-26.06	-49.03	2.53	1000	-132
4.00	80.19	3249.42	3218.83	3203.87	8.49	8.25	5.75	-30.42	-26.57	-47.49	2.14		
5.00	80.87	3329.27	3299.98	3285.66	9.42	9.26	6.59	-31.89	-28.91	-51.03	1.88		
6.00	78.35	3407.78	3380.17	3366.45	8.66	8.57	6.11	-32.36	-28.68	-56.96	1.83		
7.00	78.62	3485.00	3459.02	3445.64	9.42	9.40	6.65	-32.50	-31.64	-63.31	1.50		
8.00	76.96	3560.64	3536.07	3522.98	8.51	8.69	6.23	-32.55	-36.01	-59.48	1.30		
9.00	75.49	3635.18	3612.09	3599.06	8.96	8.91	6.59	-32.27	-35.74	-66.61	1.10		
10.00	75.26	3710.40	3688.41	3674.93	8.62	9.07	7.47	-31.98	-33.52	-66.01	0.82		
11.00	77.21	3786.42	3764.95	3750.68	8.47	8.49	7.04	-31.91	-31.93	-64.42	0.58		
12.00	78.33	3863.12	3842.30	3827.26	8.46	8.87	7.91	-31.99	-34.38	-62.86	0.35		
13.00	78.24	3940.53	3920.44	3904.82	8.17	8.34	7.44	-32.24	-38.25	-66.42	0.21		
14.00	76.29	4017.86	3998.18	3981.89	8.32	8.82	8.11	-30.14	-41.64	-65.63	0.08		
15.00	71.95	4092.35	4072.88	4056.06	7.37	7.68	7.06	-28.99	-47.63	-65.09	0.19		
16.00	64.92	4160.10	4140.75	4123.45	8.18	8.80	8.11	-40.54	-41.19	-66.41	0.36		
17.00	50.24	4216.87	4197.18	4178.83	6.99	7.86	7.57	-26.55	-38.53	-64.93	0.06		
18.00	36.86	4259.64	4240.43	4221.58	6.55	7.24	6.94	-26.66	-36.91	-65.16	0.65		
19.00	27.50	4291.39	4272.14	4252.67	6.92	7.54	7.14	-27.04	-34.29	-64.95	1.36		
20.00	21.59	4316.12	4296.69	4276.38	7.21	7.87	7.46	-26.59	-34.23	-63.91	1.83		
21.00	18.04	4336.16	4316.56	4295.54	7.28	8.01	7.61	-26.87	-33.98	-65.57	2.09		
22.00	15.29	4352.81	4333.25	4311.66	7.23	7.99	7.63	-27.07	-34.37	-63.10	2.28		