

Voltage Controlled Oscillator

ROS-ED12296A/3

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			
1.0	4.16	105.26	104.88	104.91	2.58	2.20	1.46	-23.33	-40.31	-52.89	0.02	1	-98
2.0	3.73	109.31	108.83	108.71	3.15	2.70	1.96	-25.17	-42.74	-54.78	0.02	10	-123
3.0	3.62	113.05	112.50	112.29	3.59	3.03	2.26	-26.89	-44.78	-55.93	0.01	100	-143
4.0	3.68	116.75	116.14	115.85	3.93	3.26	2.49	-28.58	-46.81	-55.86	0.01	1000	-163
5.0	3.85	120.55	119.88	119.53	4.14	3.42	2.62	-30.33	-49.56	-54.25	0.00		
6.0	4.02	124.52	123.81	123.40	4.22	3.47	2.68	-32.08	-52.09	-53.06	0.00		
7.0	4.14	128.63	127.88	127.44	4.15	3.43	2.66	-33.84	-53.64	-51.62	0.01		
8.0	4.10	132.77	132.01	131.55	3.99	3.32	2.57	-35.66	-54.71	-50.11	0.02		
9.0	3.95	136.81	136.06	135.58	3.88	3.29	2.57	-37.74	-55.08	-48.73	0.03		
10.0	3.76	140.69	139.93	139.44	3.51	3.01	2.32	-40.25	-55.64	-47.24	0.04		
11.0	3.55	144.37	143.61	143.11	3.08	2.68	2.02	-43.29	-55.15	-46.23	0.04		
12.0	3.40	147.87	147.10	146.58	2.72	2.41	1.78	-48.76	-54.77	-45.12	0.03		
13.0	3.30	151.22	150.45	149.92	2.31	2.11	1.51	-58.54	-55.84	-44.39	0.02		
14.0	3.24	154.50	153.73	153.18	1.80	1.72	1.17	-46.82	-54.86	-43.81	0.01		
15.0	3.19	157.72	156.95	156.39	1.25	1.31	0.80	-41.00	-53.37	-43.35	0.00		
16.0	3.10	160.87	160.11	159.55	0.60	0.78	0.33	-37.18	-50.10	-42.99	0.01		
17.0	2.96	163.90	163.16	162.61	-0.09	0.20	-0.18	-34.66	-47.44	-42.54	0.03		
18.0	2.77	166.77	166.04	165.52	-0.60	-0.40	-0.60	-32.77	-44.63	-42.06	0.07		