

Voltage Controlled Oscillator

ROS-ED8863/2

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			
0.4	18.63	133.1	130.2	129.0	7.17	7.13	6.96	-21.7	-39.2	-48.5	0.30	1	-85
0.7	16.56	138.5	136.0	135.0	7.47	7.51	7.39	-23.5	-40.0	-47.3	0.46	10	-105
1.1	15.92	144.1	141.6	140.6	7.77	7.86	7.72	-24.7	-40.7	-46.8	0.44	100	-125
1.4	14.56	149.1	146.7	145.7	8.04	8.12	7.97	-25.2	-40.3	-47.2	0.38	1000	-145
1.8	13.73	154.0	151.5	150.4	8.24	8.32	8.20	-25.3	-41.0	-47.7	0.28		
2.1	13.07	158.6	156.1	155.0	8.36	8.50	8.42	-25.2	-41.2	-48.3	0.25		
2.5	12.98	163.1	160.6	159.4	8.47	8.67	8.63	-25.2	-41.7	-49.5	0.19		
2.8	12.69	167.6	165.1	163.8	8.60	8.85	8.82	-25.2	-41.7	-49.7	0.12		
3.2	12.67	172.0	169.5	168.3	8.73	9.02	8.95	-24.8	-41.0	-48.5	0.14		
3.5	13.16	176.6	174.1	172.8	8.87	9.12	9.03	-24.7	-41.3	-48.2	0.13		
3.9	13.27	181.3	178.7	177.4	8.96	9.20	9.09	-24.7	-41.8	-48.5	0.08		
4.2	13.42	186.0	183.4	182.1	8.98	9.22	9.15	-24.7	-41.3	-49.0	0.10		
4.6	13.95	190.9	188.3	186.9	8.96	9.24	9.22	-24.8	-42.0	-49.8	0.11		
4.9	14.11	195.9	193.3	191.8	8.99	9.30	9.32	-24.7	-42.0	-50.5	0.08		
5.3	14.08	200.8	198.2	196.7	9.04	9.37	9.44	-24.8	-42.3	-53.7	0.09		
5.6	14.35	205.7	203.2	201.8	9.08	9.43	9.51	-24.5	-41.8	-53.3	0.19		
6.0	15.20	211.0	208.5	207.1	9.19	9.52	9.50	-24.5	-41.3	-53.2	0.25		
6.3	15.35	216.4	213.9	212.5	9.27	9.55	9.50	-24.3	-40.8	-51.7	0.25		
6.7	15.39	221.7	219.3	217.9	9.27	9.52	9.44	-24.3	-40.8	-50.7	0.30		
7.0	15.68	227.2	224.8	223.4	9.15	9.45	9.38	-24.3	-41.0	-49.2	0.37		
7.4	15.87	232.9	230.3	228.9	8.95	9.36	9.33	-24.5	-41.5	-48.3	0.38		
7.7	15.73	238.5	235.8	234.3	8.87	9.32	9.34	-24.5	-41.5	-47.3	0.36		
8.1	15.40	244.0	241.2	239.7	8.86	9.31	9.36	-24.8	-41.5	-47.3	0.34		
8.4	15.12	249.2	246.5	245.1	8.88	9.33	9.38	-24.7	-41.3	-47.5	0.38		
8.8	15.33	254.2	251.9	250.6	8.94	9.36	9.40	-25.0	-41.5	-48.0	0.48		
9.1	15.79	259.6	257.4	256.1	9.00	9.40	9.42	-25.0	-41.5	-48.8	0.52		
9.5	15.75	265.1	262.9	261.6	9.05	9.43	9.40	-25.2	-41.5	-49.2	0.51		
9.8	15.54	270.5	268.4	267.0	9.12	9.47	9.34	-25.0	-41.3	-48.8	0.49		
10.2	15.31	275.8	273.7	272.3	9.20	9.45	9.27	-24.8	-40.8	-49.0	0.51		
10.5	15.24	281.1	279.0	277.6	9.18	9.37	9.24	-24.8	-41.0	-50.0	0.52		
10.9	15.09	286.4	284.3	282.8	9.04	9.30	9.22	-24.8	-41.0	-51.3	0.51		
11.2	14.85	291.8	289.5	287.9	8.91	9.24	9.23	-25.0	-41.7	-52.3	0.46		
11.6	14.38	297.0	294.6	292.8	8.86	9.24	9.27	-25.0	-41.5	-52.7	0.41		
11.9	13.89	302.1	299.4	297.5	8.86	9.29	9.36	-25.3	-41.7	-50.7	0.34		
12.3	13.27	306.9	304.1	302.1	8.91	9.36	9.39	-25.8	-42.3	-48.8	0.29		
12.6	12.64	311.5	308.5	306.7	9.00	9.47	9.51	-26.3	-42.5	-48.2	0.27		
13.0	12.27	315.7	312.8	311.3	9.08	9.59	9.57	-26.8	-43.5	-47.8	0.35		
13.3	12.49	319.6	317.2	315.9	9.21	9.64	9.44	-27.2	-45.0	-48.7	0.51		
13.7	12.88	323.3	321.7	320.3	9.32	9.70	9.13	-27.3	-46.5	-49.5	0.57		
14.0	12.70	327.4	326.1	324.5	9.37	9.59	8.58	-27.2	-47.2	-50.3	0.51		