

Voltage Controlled Oscillator

ROS-ED8915/1

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			
0.4	7.79	143.6	142.6	141.7	6.43	6.97	6.69	-3.5	-29.3	-45.3	0.02	1	-90
0.7	7.04	146.0	145.0	144.2	6.96	7.45	7.19	-5.5	-30.8	-47.2	0.08	10	-118
1.1	6.61	148.4	147.3	146.6	7.66	7.87	7.74	-7.3	-32.3	-48.3	0.17	100	-138
1.4	6.54	150.7	149.6	148.9	8.33	8.73	8.41	-9.2	-33.7	-48.5	0.32	1000	-158
1.8	6.44	152.9	151.9	151.2	9.04	9.34	9.02	-11.2	-35.3	-49.5	0.30		
2.1	5.89	155.0	153.9	153.2	9.65	10.02	9.68	-12.8	-36.8	-51.8	0.24		
2.5	5.49	156.9	155.9	155.1	10.25	10.62	10.28	-14.2	-38.2	-53.8	0.21		
2.8	5.22	158.7	157.7	156.9	10.92	11.26	10.87	-15.8	-39.5	-53.8	0.17		
3.2	5.05	160.5	159.5	158.7	11.53	11.84	11.50	-17.2	-40.8	-56.2	0.15		
3.5	4.88	162.2	161.2	160.4	12.12	12.40	12.05	-18.3	-41.7	-58.7	0.13		
3.9	4.77	164.0	162.8	162.0	12.72	12.99	12.59	-19.5	-42.7	-58.3	0.10		
4.2	4.69	165.6	164.5	163.6	13.23	13.49	13.10	-20.5	-43.5	-59.0	0.09		
4.6	4.64	167.3	166.1	165.2	13.66	13.94	11.98	-21.8	-44.7	-59.8	0.07		
4.9	4.59	168.9	167.7	166.3	14.06	14.35	12.16	-22.8	-45.5	-58.3	0.06		
5.3	4.59	170.6	169.3	167.9	14.38	14.67	12.44	-24.0	-46.8	-57.3	0.05		
5.6	4.58	172.2	170.9	169.4	14.64	14.94	12.69	-25.0	-48.0	-57.0	0.05		
6.0	4.62	173.9	172.5	171.4	14.84	15.16	12.95	-26.2	-49.3	-55.3	0.04		
6.3	4.66	175.5	174.2	172.6	14.96	15.31	12.86	-27.2	-50.7	-55.5	0.04		
6.7	4.72	177.2	175.8	174.3	15.02	15.39	12.78	-27.8	-51.3	-54.3	0.05		
7.0	4.78	178.8	177.5	176.2	15.03	15.43	12.94	-28.7	-51.8	-53.5	0.05		
7.4	4.83	180.5	179.2	178.1	14.97	15.44	12.37	-29.3	-53.0	-53.7	0.06		
7.7	4.88	182.2	180.9	180.0	14.87	15.41	12.28	-29.5	-52.7	-54.5	0.07		
8.1	4.88	183.8	182.6	181.8	14.72	15.33	11.86	-29.8	-52.8	-59.0	0.08		
8.4	4.83	185.5	184.3	183.6	14.56	15.22	11.54	-30.2	-52.5	-54.5	0.09		
8.8	4.78	187.1	186.0	185.3	14.39	15.08	12.19	-30.3	-52.3	-49.0	0.11		
9.1	4.72	188.8	187.6	186.8	14.20	14.89	13.38	-30.7	-52.5	-46.8	0.13		
9.5	4.62	190.4	189.2	188.5	14.01	14.70	10.44	-31.0	-52.8	-46.0	0.15		
9.8	4.52	192.0	190.8	190.1	13.82	14.51	10.49	-31.2	-52.8	-45.8	0.16		
10.2	4.42	193.5	192.4	191.6	13.58	14.32	10.26	-31.5	-52.8	-45.5	0.18		
10.5	4.32	195.0	193.9	193.1	13.37	14.11	10.03	-31.7	-52.3	-45.7	0.20		
10.9	4.21	196.4	195.3	194.6	13.19	13.94	9.86	-31.8	-53.5	-45.8	0.22		
11.2	4.09	197.9	196.8	196.0	12.96	13.78	9.71	-32.0	-54.8	-45.8	0.24		
11.6	3.97	199.2	198.2	197.4	12.82	13.57	9.59	-32.3	-54.2	-45.8	0.25		
11.9	3.86	200.6	199.5	198.7	12.69	13.44	9.45	-32.3	-54.5	-46.3	0.27		
12.3	3.74	201.9	200.8	200.0	12.58	13.32	9.38	-32.7	-56.3	-46.3	0.28		
12.6	3.62	203.2	202.1	201.3	12.39	13.22	9.34	-32.7	-56.3	-46.2	0.29		
13.0	3.51	204.4	203.3	202.5	12.31	13.04	9.22	-32.8	-57.3	-46.3	0.29		
13.3	3.39	205.6	204.5	203.7	12.24	12.96	9.21	-33.0	-57.5	-46.2	0.30		
13.7	3.27	206.7	205.6	204.8	12.18	12.89	9.22	-33.2	-59.2	-45.8	0.30		
14.0	3.15	207.8	206.8	205.9	12.09	12.83	9.23	-33.3	-58.5	-45.8	0.30		