

Voltage Controlled Oscillator

ROS-ED10092/1

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			
0.3	9.36	136.9	135.5	134.5	2.94	3.61	3.71	-26.4	-40.0	-49.5	0.09	1	-93
0.5	8.51	139.0	137.6	136.7	3.09	3.83	3.89	-27.2	-40.0	-51.2	0.15	10	-121
0.8	7.98	141.0	139.6	138.7	3.12	3.93	4.09	-27.9	-40.4	-52.4	0.26	100	-141
1.0	7.88	143.0	141.6	140.7	3.12	3.98	4.17	-28.6	-40.6	-51.1	0.35	1000	-161
1.3	7.35	144.8	143.4	142.6	3.22	4.09	4.29	-29.2	-41.0	-51.3	0.31		
1.5	6.72	146.5	145.1	144.3	3.27	4.15	4.36	-29.8	-41.5	-51.7	0.26		
1.8	6.25	148.0	146.7	145.9	3.39	4.22	4.44	-30.4	-41.7	-50.7	0.23		
2.0	5.90	149.4	148.2	147.3	3.49	4.37	4.53	-30.8	-41.3	-50.9	0.20		
2.3	5.61	150.8	149.6	148.8	3.61	4.49	4.70	-31.2	-42.1	-49.6	0.18		
2.5	5.42	152.2	150.9	150.1	3.75	4.62	4.82	-31.6	-42.1	-49.0	0.17		
2.8	5.22	153.5	152.2	151.4	3.95	4.75	4.94	-32.0	-42.6	-46.9	0.15		
3.0	5.09	154.7	153.5	152.7	4.10	4.95	5.14	-32.4	-42.4	-45.8	0.14		
3.3	4.97	155.9	154.7	153.9	4.24	5.09	5.28	-33.0	-42.9	-44.5	0.13		
3.5	4.89	157.2	156.0	155.2	4.40	5.25	5.44	-33.7	-43.3	-43.4	0.12		
3.8	4.82	158.4	157.2	156.4	4.64	5.44	5.63	-34.3	-44.2	-42.0	0.11		
4.0	4.74	159.5	158.3	157.5	4.86	5.69	5.88	-34.8	-44.6	-40.8	0.10		
4.3	4.70	160.7	159.5	158.7	5.12	5.94	6.13	-35.3	-44.9	-39.7	0.08		
4.5	4.64	161.9	160.7	159.9	5.42	6.23	6.41	-35.8	-45.4	-38.7	0.07		
4.8	4.63	163.1	161.8	161.0	5.78	6.57	6.76	-36.3	-46.2	-38.0	0.07		
5.0	4.49	164.2	163.0	161.9	6.18	7.03	7.29	-36.3	-45.1	-38.2	0.09		
5.3	3.51	165.4	163.8	162.9	6.64	7.65	7.53	-35.9	-45.7	-39.7	0.17		
5.5	3.99	166.5	164.8	163.9	7.14	7.65	7.42	-36.5	-46.2	-33.8	0.08		
5.8	4.20	167.6	165.9	164.9	7.65	7.49	7.31	-37.2	-45.8	-31.0	0.07		
6.0	4.13	168.5	166.9	166.0	7.99	7.41	7.10	-38.0	-47.8	-30.8	0.06		
6.3	4.41	169.6	168.0	167.1	7.83	7.20	6.86	-38.5	-47.2	-30.6	0.05		
6.5	4.46	170.6	169.1	168.2	7.79	6.96	6.65	-38.8	-47.1	-30.3	0.04		
6.8	4.50	171.6	170.3	169.3	7.67	6.73	6.42	-38.9	-47.4	-30.1	0.04		
7.0	4.48	172.7	171.4	170.5	7.45	6.50	6.19	-39.2	-47.4	-29.9	0.04		
7.3	4.55	173.9	172.5	171.6	7.24	6.26	5.96	-39.5	-47.4	-29.7	0.04		
7.5	4.55	175.0	173.7	172.7	6.99	6.03	5.75	-39.4	-47.4	-29.6	0.04		
7.8	4.53	176.2	174.8	173.9	6.76	5.84	5.59	-39.1	-47.4	-29.4	0.06		
8.0	4.48	177.4	175.9	175.0	6.55	5.72	5.47	-38.9	-46.3	-28.9	0.08		
8.3	4.48	178.5	177.0	176.2	6.44	5.62	5.32	-38.5	-45.7	-28.2	0.08		
8.5	4.54	179.5	178.2	177.3	6.50	5.50	5.15	-38.4	-45.4	-27.8	0.08		
8.8	4.58	181.6	179.3	178.5	5.89	5.35	4.95	-38.6	-45.5	-27.4	0.08		
9.0	6.53	183.1	180.9	179.6	5.45	5.02	4.75	-38.9	-48.4	-28.4	0.11		
9.3	6.07	184.5	182.5	180.9	5.05	4.65	4.50	-39.1	-50.0	-29.6	0.15		
9.5	5.74	185.9	183.9	182.5	4.66	4.28	4.11	-38.8	-51.6	-30.6	0.17		
9.8	5.63	187.1	185.3	184.0	4.29	3.94	3.76	-39.0	-51.6	-31.1	0.18		
10.0	5.82	188.2	186.8	185.5	3.90	3.56	3.42	-39.3	-52.6	-31.3	0.16		