

Voltage Controlled Oscillator

ROS-ED10464A/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			
0.5	27.82	196.0	195.4	196.0	-2.63	-2.42	-2.18	-9.7	-18.1	-27.5	0.54	1	-80
1.0	22.91	207.4	206.9	207.7	-2.71	-2.54	-2.35	-12.5	-19.8	-29.2	0.93	10	-100
1.5	20.68	217.8	217.2	217.9	-2.78	-2.59	-2.43	-15.5	-21.1	-30.7	0.89	100	-120
2.0	19.21	227.3	226.8	227.5	-2.50	-2.46	-2.46	-18.5	-22.1	-31.6	0.52	1000	-140
2.5	18.21	236.7	235.9	236.8	-2.48	-2.45	-2.45	-22.2	-23.3	-32.3	0.30		
3.0	17.95	246.4	244.9	245.7	-2.38	-2.31	-2.39	-27.7	-24.8	-34.0	0.51		
3.5	18.11	255.4	254.0	254.3	-2.04	-2.06	-2.18	-33.0	-26.2	-34.8	0.60		
4.0	17.78	263.8	262.9	262.7	-1.46	-1.67	-1.85	-31.5	-27.1	-37.1	0.18		
4.5	16.92	272.2	271.3	270.9	-1.04	-1.31	-1.57	-30.3	-28.0	-37.7	0.58		
5.0	15.85	281.2	279.3	279.0	-0.77	-0.82	-1.22	-29.9	-28.8	-38.4	1.32		
5.5	15.05	289.9	286.8	286.9	-0.51	-0.42	-0.96	-29.5	-30.2	-38.6	1.69		
6.0	14.92	298.0	294.2	294.6	-0.19	-0.06	-0.69	-28.6	-31.1	-38.9	1.47		
6.5	15.25	305.4	301.9	302.0	0.17	0.23	-0.38	-27.8	-32.3	-39.5	1.05		
7.0	15.40	312.4	309.6	309.1	0.57	0.46	-0.05	-27.5	-33.2	-40.7	0.90		
7.5	15.18	319.3	317.2	316.0	0.92	0.62	0.22	-27.5	-33.5	-41.8	1.14		
8.0	14.72	326.6	324.5	322.7	1.10	0.80	0.49	-27.6	-34.2	-43.0	1.67		
8.5	14.28	334.5	331.7	329.3	1.04	0.79	0.53	-28.1	-34.3	-43.7	2.33		
9.0	13.81	342.5	338.6	336.0	0.87	1.02	0.81	-28.6	-34.8	-43.4	3.01		
9.5	13.50	350.3	345.3	342.8	0.61	1.08	0.78	-29.6	-35.2	-43.1	3.66		
10.0	13.32	357.8	352.0	349.8	0.31	1.04	0.65	-30.5	-35.7	-42.7	4.22		
10.5	13.34	365.1	358.6	356.8	0.08	0.88	0.43	-31.3	-35.9	-43.2	4.59		
11.0	13.51	372.2	365.4	364.0	-0.11	0.70	0.10	-32.1	-36.7	-42.6	4.67		
11.5	13.90	379.1	372.4	371.1	-0.30	0.47	-0.19	-32.6	-37.3	-42.2	4.51		
12.0	14.38	386.0	379.5	378.3	-0.52	0.14	-0.52	-33.0	-37.9	-41.9	4.16		
12.5	14.79	392.8	386.9	385.5	-0.66	-0.26	-0.87	-33.3	-38.1	-41.8	3.85		
13.0	15.09	399.7	394.5	392.7	-0.83	-0.60	-1.13	-33.7	-38.5	-41.1	3.61		
13.5	15.32	407.0	402.1	400.0	-1.10	-0.93	-1.36	-33.0	-38.3	-39.7	3.48		
14.0	15.45	414.8	409.9	407.3	-1.50	-1.26	-1.58	-33.7	-38.3	-39.0	3.43		
14.5	15.65	423.0	417.7	414.7	-2.01	-1.60	-1.83	-34.2	-38.0	-38.6	3.45		
15.0	15.81	431.4	425.6	422.2	-2.64	-1.99	-2.19	-34.8	-37.7	-38.1	3.50		
15.5	15.94	439.8	433.6	429.9	-3.11	-2.36	-2.49	-35.2	-37.6	-38.3	3.62		
16.0	16.15	448.0	441.6	437.8	-3.51	-2.74	-2.78	-35.8	-37.0	-37.8	3.81		
16.5	16.42	456.5	449.9	445.8	-4.03	-3.04	-3.12	-35.4	-37.3	-37.7	4.13		
17.0	16.90	465.3	458.3	454.0	-4.59	-3.41	-3.42	-36.2	-38.0	-37.8	4.40		
17.5	16.99	474.0	466.8	462.3	-5.20	-3.81	-3.79	-36.3	-38.1	-38.2	4.43		
18.0	16.41	482.3	475.0	470.4	-5.79	-4.24	-4.11	-35.9	-38.0	-39.2	4.63		
18.5	15.76	490.3	482.9	478.2	-6.39	-4.79	-4.51	-36.4	-38.2	-38.9	4.94		
19.0	15.14	497.8	490.4	485.9	-7.01	-5.12	-5.12	-36.1	-37.7	-39.9	5.33		
19.5	14.48	505.0	497.7	493.2	-7.54	-5.68	-5.55	-35.8	-36.9	-40.1	5.78		
20.0	13.84	511.7	504.6	500.3	-8.10	-6.16	-6.09	-34.8	-37.4	-40.3	6.29		