Voltage Controlled Oscillator ROS-ED8548/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55ºC	+25ºC	+85ºC	-55ºC	+25ºC	+85ºC	F2	F3	F4	
0.3	22.92	635.8	631.3	626.6	-0.65	-0.16	-0.27	-20.8	-38.3	-34.0	0.37
0.5	19.66	640.5	636.2	631.8	-0.56	-0.05	-0.14	-21.4	-37.9	-34.4	0.32
0.8	17.62	644.7	640.6	636.3	-0.49	0.05	-0.02	-21.9	-38.5	-33.9	0.29
1.0	16.11	648.7	644.6	640.4	-0.45	0.12	0.08	-22.5	-38.1	-34.1	0.29
1.3	15.21	652.4	648.4	644.3	-0.36	0.17	0.15	-22.9	-37.6	-34.1	0.27
1.5	14.40	655.9	652.0	647.9	-0.33	0.26	0.21	-23.2	-36.9	-33.9	0.26
1.8	13.77	659.3	655.4	651.4	-0.31	0.29	0.30	-23.6	-37.3	-34.0	0.26
2.0	13.35	662.6	658.8	654.7	-0.29	0.32	0.34	-23.9	-36.7	-34.0	0.26
2.3	12.94	665.9	662.0	658.0	-0.25	0.38	0.37	-24.2	-36.8	-33.9	0.24
2.5	12.77	669.1	665.2	661.2	-0.24	0.39	0.44	-24.3	-36.5	-34.0	0.24
2.8	12.51	672.2	668.3	664.3	-0.23	0.42	0.46	-24.7	-36.4	-33.8	0.24
3.0	12.39	675.3	671.4	667.4	-0.20	0.44	0.50	-25.0	-36.0	-33.9	0.24
3.3	12.22	678.3	674.5	670.4	-0.17	0.47	0.52	-25.2	-35.8	-33.8	0.24
3.5	12.17	681.4	677.5	673.5	-0.17	0.50	0.56	-25.5	-35.5	-34.0	0.22
3.8	12.15	684.4	680.6	676.5	-0.13	0.51	0.57	-25.7	-35.6	-33.9	0.22
4.0	12.14	687.5	683.6	679.5	-0.14	0.56	0.62	-26.1	-35.2	-34.0	0.24
4.3	12.19	690.6	686.7	682.5	-0.09	0.56	0.67	-26.2	-35.0	-34.1	0.22
4.5	12.17	693.6	689.7	685.6	-0.05	0.61	0.68	-26.5	-34.6	-34.2	0.24
4.8	12.29	696.7	692.8	688.6	-0.04	0.66	0.73	-26.5	-34.7	-33.8	0.23
5.0	12.29	699.8	695.8	691.7	0.01	0.67	0.74	-26.8	-34.3	-34.7	0.22
5.3	12.53	703.0	699.0	694.8	0.03	0.71	0.80	-27.0	-33.9	-35.0	0.24
5.5	12.65	706.1	702.1	697.9	0.06	0.74	0.85	-27.2	-33.9	-34.7	0.25
5.8	12.79	709.3	705.3	701.1	0.08	0.78	0.88	-27.4	-33.6	-35.0	0.26
6.0	12.90	712.6	708.6	704.3	0.09	0.80	0.92	-27.4	-33.7	-35.2	0.25
6.3	13.15	715.9	711.8	707.6	0.13	0.85	0.94	-27.6	-33.4	-35.3	0.27
6.5	13.29	719.2	715.2	710.9	0.14	0.87	0.99	-27.8	-33.0	-35.3	0.29
6.8	13.48	722.6	718.5	714.2	0.17	0.88	1.02	-27.8	-32.7	-35.3	0.31
7.0	13.66	726.0	722.0	717.6	0.19	0.93	1.04	-27.9	-32.3	-35.6	0.34
7.3	13.82	729.5	725.4	721.1	0.21	0.94	1.08	-28.1	-32.2	-35.4	0.36
7.5	14.02	733.0	728.9	724.6	0.24	0.97	1.11	-28.0	-32.1	-35.7	0.41
7.8	14.13	736.5	732.4	728.1	0.23	0.98	1.14	-28.2	-31.8	-35.2	0.47
8.0	14.22	740.1	736.0	731.7	0.27	1.01	1.16	-28.2	-31.8	-35.8	0.54
8.3	14.28	743.6	739.6	735.3	0.30	1.04	1.19	-28.0	-31.6	-35.7	0.61
8.5	14.19	747.1	743.1	738.9	0.27	1.09	1.23	-28.0	-31.6	-36.6	0.70
8.8	14.26	750.6	746.7	742.5	0.25	1.06	1.28	-27.7	-31.3	-36.8	0.80
9.0	14.20	754.2	750.2	746.1	0.18	1.06	1.25	-27.8	-31.2	-36.4	0.92
9.3	14.20	757.9	753.8	749.7	0.00	1.03	1.27	-27.6	-31.1	-36.6	1.04
9.5	14.38	761.9	757.4	753.2	-0.36	0.91	1.25	-27.5	-30.5	-36.1	1.20
9.8	15.08	768.1	761.1	756.8	-1.19	0.72	1.17	-27.5	-30.2	-35.5	1.42
10.0	17.60	775.2	765.5	760.5	-1.36	0.35	1.04	-27.9	-29.5	-34.3	1.80

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-85
10	-107
100	-127
1000	-145