

Voltage Controlled Oscillator

ROS-ED8547/1

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	19.37	703.2	699.3	695.2	0.72	1.17	0.97	-13.9	-22.9	-31.1	0.02	1	-84
0.5	16.80	707.2	703.5	699.6	0.65	1.12	0.94	-14.4	-22.8	-31.2	0.04	10	-106
0.8	15.20	710.9	707.3	703.5	0.57	1.08	0.91	-14.8	-22.7	-31.1	0.05	100	-126
1.0	13.96	714.3	710.8	707.1	0.48	1.03	0.89	-15.2	-22.5	-31.1	0.09	1000	-145
1.3	13.24	717.6	714.1	710.5	0.41	0.97	0.86	-15.4	-22.3	-30.9	0.11		
1.5	12.60	720.7	717.3	713.7	0.36	0.94	0.81	-15.8	-22.3	-31.0	0.11		
1.8	12.06	723.8	720.3	716.7	0.28	0.88	0.80	-16.1	-22.0	-31.0	0.13		
2.0	11.77	726.7	723.2	719.6	0.23	0.83	0.75	-16.5	-22.0	-30.8	0.16		
2.3	11.45	729.6	726.1	722.5	0.17	0.78	0.73	-16.8	-21.8	-30.8	0.16		
2.5	11.30	732.4	728.9	725.3	0.10	0.74	0.69	-17.1	-21.8	-30.5	0.18		
2.8	11.12	735.2	731.7	728.1	0.07	0.69	0.65	-17.4	-21.7	-30.5	0.20		
3.0	11.01	738.0	734.4	730.8	0.05	0.66	0.61	-17.7	-21.6	-30.5	0.22		
3.3	10.94	740.8	737.2	733.5	-0.02	0.61	0.60	-18.0	-21.6	-30.2	0.24		
3.5	10.92	743.5	739.9	736.2	-0.02	0.60	0.55	-18.2	-21.5	-30.3	0.25		
3.8	10.89	746.3	742.6	738.9	-0.08	0.60	0.55	-18.6	-21.4	-31.5	0.27		
4.0	10.92	749.1	745.4	741.6	-0.08	0.55	0.50	-18.8	-21.3	-31.2	0.29		
4.3	11.00	751.8	748.1	744.4	-0.13	0.55	0.50	-19.1	-21.4	-31.5	0.30		
4.5	11.03	754.6	750.9	747.1	-0.13	0.51	0.46	-19.5	-21.2	-31.4	0.32		
4.8	11.11	757.4	753.6	749.8	-0.16	0.50	0.46	-19.7	-21.0	-31.3	0.34		
5.0	11.21	760.3	756.4	752.6	-0.16	0.48	0.46	-19.9	-20.9	-31.4	0.36		
5.3	11.39	763.2	759.3	755.4	-0.20	0.47	0.43	-20.2	-20.7	-31.2	0.38		
5.5	11.57	766.1	762.2	758.3	-0.19	0.46	0.42	-20.5	-20.7	-31.4	0.38		
5.8	11.68	769.0	765.1	761.2	-0.23	0.44	0.40	-20.5	-20.6	-31.0	0.38		
6.0	11.88	772.0	768.1	764.2	-0.22	0.40	0.37	-20.7	-20.6	-31.1	0.40		
6.3	12.08	775.1	771.1	767.2	-0.27	0.40	0.37	-21.2	-20.8	-31.0	0.42		
6.5	12.32	778.2	774.2	770.2	-0.32	0.35	0.32	-21.4	-20.7	-29.5	0.40		
6.8	12.55	781.3	777.3	773.4	-0.32	0.36	0.26	-21.8	-20.9	-29.4	0.38		
7.0	12.80	784.4	780.5	776.6	-0.37	0.29	0.25	-22.1	-21.0	-29.5	0.32		
7.3	13.08	787.7	783.8	779.9	-0.44	0.22	0.17	-22.4	-20.9	-29.2	0.22		
7.5	13.48	790.9	787.2	783.3	-0.50	0.18	0.09	-22.7	-21.2	-29.4	0.08		
7.8	13.96	794.4	790.6	786.8	-0.60	0.07	0.04	-22.9	-21.2	-29.7	0.10		
8.0	14.48	798.0	794.3	790.5	-0.73	-0.04	-0.07	-23.3	-21.4	-29.4	0.28		
8.3	15.08	801.9	798.0	794.2	-0.91	-0.16	-0.17	-23.8	-21.7	-29.6	0.44		
8.5	15.64	806.0	801.9	798.0	-1.06	-0.32	-0.27	-24.1	-21.9	-29.5	0.54		
8.8	16.28	810.2	806.0	802.0	-1.21	-0.46	-0.40	-24.5	-22.5	-29.7	0.60		
9.0	16.76	814.6	810.2	806.0	-1.33	-0.58	-0.49	-24.9	-23.0	-29.7	0.60		
9.3	17.16	819.0	814.5	810.2	-1.44	-0.68	-0.57	-25.5	-23.5	-30.0	0.60		
9.5	17.44	823.5	818.8	814.4	-1.52	-0.77	-0.64	-25.8	-24.2	-29.7	0.56		
9.8	17.64	828.0	823.3	818.7	-1.59	-0.84	-0.69	-26.3	-24.7	-29.9	0.52		
10.0	17.76	832.5	827.7	823.0	-1.64	-0.90	-0.74	-26.6	-25.3	-30.1	0.46		