

Voltage Controlled Oscillator

ROS-ED10393/1

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			
0.1	31.81	771.6	766.2	760.9	3.16	4.32	4.71	-17.7	-43.3	-33.1	0.30	1	-86
0.3	30.02	775.3	769.9	764.7	3.25	4.36	4.75	-18.4	-42.2	-33.1	0.34	10	-109
0.4	28.87	778.9	773.5	768.4	3.32	4.46	4.79	-19.0	-42.3	-33.0	0.36	100	-129
0.5	27.51	782.3	777.0	771.8	3.35	4.49	4.82	-19.7	-42.0	-33.2	0.40	1000	-149
0.6	26.74	785.6	780.3	775.1	3.45	4.56	4.91	-20.3	-41.6	-33.3	0.44		
0.8	26.14	788.8	783.6	778.3	3.52	4.66	4.97	-21.0	-41.7	-33.0	0.46		
0.9	25.45	792.0	786.8	781.5	3.54	4.68	5.00	-21.7	-41.0	-33.0	0.48		
1.0	25.11	795.2	789.9	784.6	3.59	4.75	5.09	-22.2	-40.5	-33.0	0.48		
1.1	24.81	798.3	793.0	787.7	3.64	4.81	5.16	-22.8	-40.5	-32.6	0.48		
1.3	24.63	801.4	796.1	790.7	3.62	4.80	5.16	-23.4	-39.5	-33.0	0.50		
1.4	24.40	804.5	799.1	793.7	3.66	4.83	5.22	-24.0	-39.3	-32.9	0.52		
1.5	24.40	807.6	802.2	796.7	3.67	4.80	5.20	-24.7	-38.9	-32.6	0.52		
1.6	24.32	810.7	805.2	799.6	3.64	4.83	5.24	-25.1	-38.7	-32.7	0.52		
1.8	24.24	813.8	808.3	802.6	3.67	4.84	5.27	-25.6	-38.3	-32.6	0.54		
1.9	24.32	816.8	811.3	805.6	3.65	4.80	5.22	-26.2	-37.9	-32.5	0.52		
2.0	24.40	819.9	814.4	808.6	3.69	4.84	5.23	-26.4	-37.9	-32.4	0.54		
2.1	24.32	823.0	817.4	811.5	3.76	4.81	5.19	-26.7	-37.2	-32.2	0.54		
2.3	24.40	826.1	820.4	814.5	3.76	4.84	5.22	-27.1	-37.0	-32.3	0.52		
2.4	24.56	829.3	823.5	817.5	3.83	4.90	5.24	-27.3	-36.6	-32.3	0.54		
2.5	24.72	832.4	826.6	820.5	3.86	4.91	5.22	-27.5	-36.2	-32.3	0.52		
2.6	24.64	835.6	829.7	823.5	3.91	4.98	5.28	-27.7	-35.6	-32.2	0.52		
2.8	24.80	838.7	832.8	826.6	3.98	5.02	5.28	-27.5	-35.8	-32.3	0.52		
2.9	24.88	841.9	835.9	829.6	4.03	5.05	5.35	-27.4	-35.0	-32.1	0.48		
3.0	24.96	845.1	839.0	832.6	4.07	5.13	5.38	-27.7	-34.5	-32.1	0.46		
3.1	24.88	848.2	842.1	835.7	4.11	5.17	5.42	-27.7	-34.2	-31.9	0.48		
3.3	24.96	851.4	845.2	838.7	4.16	5.21	5.49	-27.6	-33.9	-31.7	0.46		
3.4	24.96	854.6	848.4	841.8	4.16	5.25	5.53	-27.7	-33.5	-31.7	0.44		
3.5	25.04	857.8	851.5	844.8	4.15	5.30	5.57	-27.7	-33.4	-31.5	0.40		
3.6	24.96	860.9	854.6	847.9	4.18	5.29	5.61	-27.8	-32.9	-31.9	0.40		
3.8	24.96	864.1	857.7	850.9	4.16	5.28	5.65	-27.6	-32.7	-31.9	0.38		
3.9	24.88	867.1	860.8	853.9	4.16	5.30	5.64	-27.5	-32.2	-31.8	0.34		
4.0	24.32	870.2	863.9	856.9	4.10	5.28	5.67	-27.6	-31.9	-32.2	0.34		
4.1	24.08	873.3	866.9	859.9	4.03	5.28	5.65	-27.5	-31.5	-32.1	0.32		
4.3	23.92	876.3	869.9	862.9	4.02	5.22	5.62	-27.6	-31.4	-32.4	0.32		
4.4	23.92	879.3	872.9	865.9	3.93	5.16	5.63	-27.5	-31.2	-32.6	0.28		
4.5	23.60	882.3	875.8	868.7	3.91	5.15	5.58	-27.6	-31.0	-32.4	0.30		
4.6	23.52	885.2	878.8	871.6	3.83	5.06	5.57	-27.6	-30.8	-32.9	0.26		
4.8	22.96	888.1	881.6	874.4	3.75	5.04	5.51	-27.7	-30.6	-32.8	0.30		
4.9	22.72	890.9	884.5	877.2	3.74	4.96	5.49	-27.7	-30.3	-32.9	0.26		
5.0	22.48	893.7	887.3	880.0	3.68	4.95	5.40	-27.8	-29.9	-32.7	0.28		
5.1	21.92	896.5	890.0	882.7	3.68	4.89	5.32	-27.9	-29.8	-32.6	0.32		
5.3	21.52	899.2	892.7	885.3	3.64	4.83	5.30	-28.1	-29.6	-31.8	0.32		
5.4	21.20	901.8	895.4	887.9	3.65	4.82	5.22	-28.2	-29.4	-31.8	0.30		
5.5	20.80	904.4	898.0	890.5	3.64	4.77	5.20	-28.3	-29.2	-31.9	0.32		
5.6	20.24	907.0	900.5	893.0	3.65	4.78	5.14	-28.5	-29.1	-31.8	0.32		
5.8	20.08	909.5	903.0	895.5	3.65	4.76	5.13	-28.7	-29.0	-31.7	0.34		
5.9	19.84	912.0	905.5	897.9	3.66	4.77	5.08	-28.6	-28.9	-31.8	0.32		
6.0	19.36	914.4	907.9	900.31	3.62	4.77	5.08	-28.95	-28.89	-31.82	0.36		