

Voltage Controlled Oscillator

ROS-ED10083/2

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	47.22	700.0	693.5	688.3	3.43	3.83	3.39	-25.6	-41.2	-31.4	0.22	1	-81
0.3	44.37	705.5	699.0	693.9	3.88	4.25	3.74	-25.9	-42.6	-31.8	0.36	10	-106
0.4	41.82	710.8	704.3	699.3	4.33	4.65	4.07	-26.2	-45.1	-32.1	0.43	100	-127
0.5	40.18	715.8	709.3	704.5	4.77	5.03	4.33	-26.6	-47.6	-32.5	0.52	1000	-147
0.6	38.64	720.7	714.1	709.6	5.20	5.41	4.60	-26.8	-48.9	-33.0	0.58		
0.8	37.67	725.5	718.8	714.6	5.62	5.77	4.89	-27.1	-52.8	-33.6	0.58		
0.9	37.33	730.2	723.5	719.5	6.03	6.14	5.19	-27.5	-54.7	-33.7	0.54		
1.0	36.76	734.8	728.1	724.3	6.39	6.46	5.49	-27.8	-53.0	-34.0	0.45		
1.1	36.54	739.4	732.7	729.0	6.72	6.76	5.79	-28.2	-52.2	-34.2	0.36		
1.3	36.22	743.9	737.2	733.6	6.99	7.00	6.06	-28.8	-52.6	-34.6	0.27		
1.4	36.21	748.4	741.7	738.2	7.23	7.23	6.27	-29.2	-51.6	-34.7	0.12		
1.5	35.92	752.8	746.2	742.7	7.44	7.39	6.44	-29.8	-50.4	-35.3	0.01		
1.6	35.91	757.3	750.7	747.2	7.59	7.51	6.54	-30.5	-49.8	-35.0	0.12		
1.8	35.62	761.7	755.2	751.7	7.72	7.58	6.61	-30.7	-48.3	-35.6	0.16		
1.9	36.09	766.1	759.7	756.2	7.84	7.62	6.64	-31.2	-47.2	-35.5	0.22		
2.0	36.05	770.4	764.2	760.8	7.93	7.60	6.66	-31.8	-45.9	-35.7	0.26		
2.1	36.31	774.8	768.7	765.3	7.99	7.58	6.64	-32.7	-45.5	-36.1	0.26		
2.3	36.90	779.2	773.3	769.9	8.01	7.53	6.62	-33.2	-43.8	-36.0	0.22		
2.4	36.94	783.5	777.9	774.4	7.99	7.46	6.59	-33.9	-43.4	-36.0	0.22		
2.5	37.37	788.0	782.6	779.0	7.91	7.37	6.54	-34.6	-42.9	-36.5	0.22		
2.6	37.52	792.4	787.3	783.6	7.76	7.26	6.50	-35.4	-42.4	-36.4	0.20		
2.8	37.92	797.1	792.0	788.2	7.56	7.13	6.43	-36.0	-41.2	-36.5	0.24		
2.9	37.92	801.7	796.8	792.8	7.27	6.97	6.34	-36.5	-40.9	-36.3	0.20		
3.0	38.40	806.6	801.6	797.4	6.93	6.77	6.23	-36.9	-39.4	-36.4	0.26		
3.1	38.56	811.5	806.4	802.1	6.53	6.53	6.09	-36.0	-39.3	-36.3	0.26		
3.3	39.03	816.5	811.3	806.8	6.09	6.25	5.91	-35.5	-38.5	-36.7	0.30		
3.4	39.13	821.6	816.2	811.4	5.61	5.94	5.68	-34.4	-37.8	-36.6	0.34		
3.5	39.35	826.7	821.1	816.2	5.15	5.59	5.45	-32.9	-36.8	-36.5	0.36		
3.6	40.02	832.0	826.1	821.0	4.72	5.27	5.19	-31.4	-35.7	-36.4	0.42		
3.8	39.65	837.2	831.0	825.7	4.36	4.98	4.97	-30.0	-35.3	-36.7	0.46		
3.9	40.26	842.4	836.1	830.5	4.06	4.72	4.75	-28.3	-34.5	-36.2	0.46		
4.0	40.00	847.6	841.1	835.3	3.82	4.52	4.56	-27.0	-34.2	-36.3	0.48		
4.1	40.34	852.9	846.1	840.1	3.65	4.37	4.41	-25.8	-33.7	-36.0	0.53		
4.3	39.84	858.1	851.1	844.8	3.53	4.26	4.29	-24.6	-33.5	-35.7	0.52		
4.4	40.16	863.3	856.1	849.6	3.46	4.19	4.21	-23.3	-33.0	-35.0	0.55		
4.5	39.63	868.4	861.1	854.4	3.44	4.15	4.16	-22.1	-32.5	-34.3	0.55		
4.6	39.40	873.5	866.0	859.1	3.45	4.13	4.13	-21.1	-32.3	-34.6	0.55		
4.8	39.37	878.5	870.9	863.8	3.51	4.14	4.12	-20.0	-32.3	-34.0	0.53		
4.9	38.53	883.4	875.7	868.5	3.59	4.17	4.12	-19.0	-32.2	-34.1	0.57		
5.0	37.96	888.1	880.5	873.1	3.68	4.23	4.14	-18.3	-32.6	-34.5	0.55		
5.1	36.58	892.6	885.1	877.6	3.75	4.30	4.16	-17.5	-32.8	-35.4	0.50		
5.3	35.26	897.1	889.5	882.0	3.79	4.38	4.22	-16.4	-33.5	-36.4	0.48		
5.4	33.58	901.4	893.7	886.1	3.82	4.44	4.27	-15.8	-34.1	-37.2	0.44		
5.5	32.51	905.6	897.7	890.2	3.83	4.47	4.32	-15.4	-34.1	-37.5	0.37		
5.6	31.29	909.6	901.6	894.0	3.85	4.48	4.36	-15.1	-33.6	-36.9	0.31		
5.8	30.79	913.6	905.5	897.6	3.87	4.47	4.39	-14.9	-32.9	-35.8	0.19		
5.9	29.81	917.4	909.2	901.1	3.89	4.46	4.40	-14.7	-31.8	-35.2	0.07		
6.0	29.11	921.1	912.8	904.6	3.91	4.45	4.38	-14.5	-30.8	-34.4	0.02		