

Voltage Controlled Oscillator

ROS-ED9789/1

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	44.87	681.2	675.8	670.8	4.41	4.63	4.48	-27.3	-50.2	-28.0	0.25	1	-82
0.5	40.53	691.3	685.9	681.0	5.33	5.55	5.33	-28.1	-52.2	-28.9	0.47	10	-106
0.8	37.70	700.7	695.3	690.3	6.04	6.27	6.09	-28.7	-50.6	-29.5	0.63	100	-126
1.0	35.92	709.7	704.3	699.3	6.88	7.00	6.67	-29.4	-48.8	-30.2	0.76	1000	-146
1.3	34.69	718.4	713.0	707.9	7.44	7.70	7.39	-29.9	-47.2	-30.5	0.88		
1.5	33.76	726.8	721.4	716.3	7.96	8.14	7.85	-30.4	-45.1	-30.6	0.95		
1.8	33.14	735.2	729.7	724.6	8.31	8.65	8.35	-30.8	-43.2	-30.6	1.03		
2.0	32.58	743.4	737.9	732.6	8.30	8.79	8.63	-30.7	-40.6	-30.8	1.08		
2.3	32.05	751.5	745.9	740.5	8.08	8.67	8.61	-30.5	-39.5	-30.8	1.09		
2.5	31.80	759.4	753.8	748.4	7.62	8.28	8.33	-30.2	-38.4	-30.8	1.00		
2.8	31.55	767.3	761.7	756.1	7.12	7.80	7.88	-30.1	-36.2	-30.6	0.87		
3.0	31.56	775.3	769.6	763.9	6.54	7.26	7.25	-30.4	-34.7	-30.5	0.64		
3.3	31.72	783.3	777.5	771.9	6.01	6.67	6.59	-30.9	-33.2	-30.7	0.38		
3.5	32.16	791.6	785.6	780.2	5.44	6.13	5.81	-31.9	-31.7	-30.8	0.08		
3.8	32.96	800.0	793.8	789.0	4.80	5.61	5.14	-33.1	-30.6	-31.3	0.18		
4.0	34.32	808.7	802.4	798.0	4.20	4.87	4.44	-32.6	-29.6	-31.3	0.54		
4.3	36.32	817.6	811.5	807.1	3.32	4.09	3.75	-29.8	-28.5	-31.0	0.86		
4.5	37.48	826.8	820.8	816.2	2.40	3.06	3.05	-26.5	-27.0	-31.1	0.96		
4.8	37.87	836.5	830.3	825.4	1.39	2.10	2.24	-23.4	-26.2	-30.4	0.90		
5.0	37.56	846.2	839.7	834.4	0.73	1.34	1.52	-20.8	-25.2	-30.2	0.80		
5.3	37.19	855.8	849.0	843.4	0.44	0.95	1.12	-18.5	-24.6	-29.5	0.68		
5.5	36.69	865.4	858.2	852.2	0.57	0.95	0.92	-16.3	-24.4	-29.2	0.50		
5.8	35.90	874.6	867.2	860.9	0.96	1.14	1.05	-14.2	-24.6	-29.5	0.31		
6.0	34.76	883.2	875.8	869.4	1.14	1.55	1.36	-12.5	-26.1	-31.3	0.04		
6.3	32.47	891.1	884.0	877.4	1.47	1.69	1.70	-11.3	-28.5	-32.2	0.31		
6.5	29.67	898.3	891.4	884.9	1.49	1.99	1.81	-10.5	-29.0	-31.0	0.70		
6.8	27.52	905.0	898.3	891.8	1.59	1.95	2.04	-10.1	-27.1	-29.3	1.01		
7.0	25.40	911.3	904.6	898.1	1.46	2.01	1.96	-9.8	-25.3	-28.3	1.21		
7.3	24.10	917.2	910.6	904.1	1.48	1.86	1.99	-9.7	-23.7	-27.8	1.34		
7.5	22.87	923.0	916.4	909.7	1.59	1.84	1.82	-9.6	-22.6	-27.1	1.38		
7.8	21.88	928.5	921.8	915.1	1.59	1.86	1.79	-9.4	-21.5	-26.5	1.40		
8.0	20.89	933.7	927.0	920.1	1.64	1.96	1.78	-9.3	-20.5	-26.0	1.33		
8.3	19.89	937.7	932.0	924.9	1.67	1.97	1.88	-9.3	-20.0	-25.9	1.25		
8.5	18.92	941.7	936.7	929.4	1.73	2.01	1.85	-9.3	-19.3	-25.5	1.11		
8.8	17.83	946.0	941.2	933.6	1.86	2.07	1.88	-9.2	-18.9	-25.7	0.94		
9.0	16.74	950.1	945.4	937.7	1.99	2.06	1.91	-9.2	-18.6	-26.3	0.74		
9.3	15.68	954.0	949.3	941.5	2.13	2.05	1.87	-9.3	-18.3	-25.7	0.55		
9.5	14.67	957.7	953.0	945.1	2.25	1.98	1.85	-9.4	-18.0	-25.8	0.34		
9.8	13.90	961.5	956.5	948.6	2.40	1.91	1.79	-9.6	-17.8	-25.7	0.14		
10.0	13.18	965.1	959.8	951.9	2.55	1.78	1.72	-9.9	-17.8	-25.5	0.02		