

Voltage Controlled Oscillator

ROS-ED6856/1

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	33.70	808.8	803.9	798.4	2.15	2.67	2.93	-11.9	-33.4	-44.3	1.14	1	-82
0.5	29.90	816.1	811.3	806.0	2.24	3.01	3.29	-13.6	-34.6	-43.3		10	-103
0.8	27.60	822.9	818.2	812.9	2.41	3.10	3.47	-15.3	-35.1	-42.6		100	-124
1.0	26.20	829.3	824.8	819.5	2.79	3.24	3.55	-16.9	-35.4	-41.9		1000	-144
1.3	25.30	835.6	831.1	825.8	2.79	3.63	3.94	-18.5	-36.2	-40.9			
1.5	24.70	841.7	837.2	832.1	2.89	3.60	4.03	-20.3	-36.6	-40.6	1.72		
1.8	24.60	847.8	843.4	838.3	3.20	3.68	3.93	-22.2	-37.6	-40.2			
2.0	25.10	854.1	849.7	844.7	3.25	3.96	3.99	-24.3	-38.1	-40.0			
2.3	26.10	860.8	856.2	851.3	3.33	4.04	4.19	-26.3	-39.0	-39.7			
2.5	28.00	868.0	863.2	858.2	3.45	3.98	4.20	-27.4	-39.4	-39.6			
2.8	29.30	875.5	870.5	865.3	3.46	4.04	4.32	-27.4	-39.9	-39.5	0.83		
3.0	30.00	883.1	878.0	872.6	3.36	4.07	4.26	-26.4	-40.9	-39.4			
3.3	30.40	890.8	885.6	880.0	3.13	3.89	4.32	-25.3	-41.8	-39.2			
3.5	30.40	898.5	893.2	887.4	2.95	3.75	4.16	-24.4	-41.9	-38.5			
3.8	30.30	906.2	900.8	894.7	2.56	3.57	4.03	-23.5	-42.2	-38.4			
4.0	30.10	913.8	908.3	902.1	2.44	3.19	3.87	-22.9	-42.6	-37.7	0.21		
4.3	29.80	921.3	915.8	909.4	2.37	3.07	3.53	-22.4	-42.6	-37.7			
4.5	29.20	928.6	923.1	916.6	2.20	2.99	3.44	-21.8	-42.3	-37.7			
4.8	28.80	935.9	930.3	923.7	2.09	2.83	3.38	-21.4	-42.3	-37.4			
5.0	28.30	943.0	937.3	930.7	2.08	2.67	3.20	-21.1	-41.9	-37.6			
5.3	27.60	949.9	944.2	937.5	2.05	2.70	3.09	-20.8	-42.1	-37.9	0.76		
5.5	27.20	956.7	951.0	944.2	1.97	2.64	3.06	-20.6	-41.9	-38.8			
5.8	26.50	963.3	957.7	950.7	2.03	2.60	3.00	-20.3	-42.6	-39.5			
6.0	25.70	969.7	964.1	957.1	2.00	2.58	2.93	-19.9	-41.4	-40.6			