

Voltage Controlled Oscillator

ROS-EDR4843

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	37.40	747.3	740.7	737.7	5.71	5.89	5.54	-26.3	-40.7	-40.7	-0.32	1	-82
0.5	34.60	755.5	749.3	746.4	5.73	5.85	5.54	-26.8	-41.2	-40.9	-0.26	10	-102
0.8	32.50	763.3	757.4	754.5	5.73	5.77	5.52	-27.7	-41.8	-42.0	-0.26	100	-123
1.0	31.00	770.9	765.2	762.2	5.68	5.77	5.46	-27.9	-40.4	-42.8	-0.26	1000	-144
1.3	30.20	778.7	772.7	769.9	5.60	5.72	5.35	-28.1	-40.1	-43.8	-0.26		
1.5	30.20	786.4	780.3	777.5	5.48	5.66	5.26	-28.9	-39.5	-44.3	-0.26		
1.8	30.20	793.9	787.8	785.0	5.52	5.57	5.15	-29.2	-39.0	-44.9	-0.19		
2.0	30.50	801.4	795.5	792.8	5.56	5.46	5.00	-29.2	-39.7	-45.1	-0.26		
2.3	31.20	808.8	803.3	800.8	5.56	5.25	4.82	-29.8	-40.0	-46.0	-0.32		
2.5	32.30	816.4	811.3	808.6	5.45	5.03	4.76	-30.8	-40.4	-46.7	-0.26		
2.8	31.70	824.3	819.3	816.6	5.20	4.84	4.62	-31.1	-40.3	-46.7	-0.32		
3.0	33.00	832.3	827.5	824.7	4.80	4.59	4.39	-30.9	-40.8	-46.5	-0.32		
3.3	33.00	840.7	835.8	832.8	4.28	4.33	4.08	-31.0	-40.6	-46.8	-0.26		
3.5	33.00	849.2	844.0	840.6	3.76	4.09	3.81	-31.2	-40.5	-47.7	-0.26		
3.8	33.00	857.9	852.3	848.7	3.24	3.83	3.46	-31.5	-41.0	-48.2	-0.26		
4.0	33.00	866.1	860.5	856.7	2.99	3.53	3.10	-32.4	-41.1	-47.9	-0.26		
4.3	32.00	874.3	868.5	864.7	2.72	3.32	2.82	-33.5	-40.4	-48.1	-0.19		
4.5	30.70	882.4	876.2	872.4	2.50	3.16	2.65	-34.3	-39.6	-48.1	-0.19		
4.8	30.50	890.4	883.8	880.0	2.26	2.92	2.47	-34.4	-39.7	-47.9	-0.19		
5.0	29.70	897.9	891.3	887.6	2.11	2.67	2.28	-34.8	-40.0	-48.0	-0.13		
5.3	28.90	905.3	898.5	894.7	1.87	2.43	2.18	-35.2	-40.4	-48.3	-0.19		
5.5	28.20	912.3	905.5	901.5	1.60	2.16	2.00	-35.5	-40.7	-48.1	-0.13		
5.8	28.20	919.2	912.6	908.3	1.30	1.85	1.76	-35.9	-40.5	-48.0	-0.06		
6.0	26.40	926.1	919.2	914.8	0.95	1.69	1.46	-36.3	-40.6	-48.4	0.00		
6.3	24.60	932.5	925.3	921.3	0.76	1.53	1.18	-36.9	-40.7	-48.9	0.00		
6.5	24.10	938.6	931.3	927.2	0.54	1.31	0.97	-37.7	-40.7	-49.5	-0.06		
6.8	23.80	944.5	937.3	933.1	0.29	1.08	0.66	-38.2	-40.7	-49.4	0.00		
7.0	22.80	950.3	943.0	938.8	0.06	0.85	0.34	-38.9	-41.0	-49.3	-0.06		