

Voltage Controlled Oscillator

ROS-EDR5056

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	11.84	859.0	851.4	848.3	2.34	2.79	2.47	-31.0	-45.5	-45.6	-0.01	1	-87
0.5	10.91	861.7	854.2	851.0	2.27	2.73	2.44	-30.9	-46.9	-46.2	-0.01	10	-110
0.8	10.42	864.2	856.8	853.6	2.19	2.67	2.39	-30.9	-45.1	-45.8	0.00	100	-130
1.0	10.18	866.8	859.3	856.2	2.12	2.62	2.33	-30.8	-44.8	-45.7	0.00	1000	-149
1.3	10.03	869.3	861.8	858.7	2.13	2.59	2.30	-30.9	-43.0	-45.4	0.00		
1.5	9.91	871.7	864.3	861.2	2.14	2.59	2.27	-30.7	-42.5	-45.2	0.00		
1.8	9.97	874.3	866.8	863.8	2.09	2.59	2.23	-30.9	-42.2	-45.3	0.00		
2.0	10.18	876.8	869.3	866.3	2.05	2.57	2.15	-30.9	-41.8	-45.1	0.00		
2.3	10.35	879.5	871.9	868.9	2.01	2.55	2.10	-31.1	-42.0	-45.1	0.00		
2.5	10.52	882.1	874.6	871.5	1.96	2.52	2.10	-31.2	-42.5	-44.9	0.00		
2.8	10.67	884.8	877.2	874.2	1.91	2.49	2.08	-31.4	-45.4	-46.2	0.00		
3.0	10.78	887.5	879.9	876.9	1.88	2.45	2.06	-31.4	-42.2	-44.2	0.00		
3.3	10.86	890.3	882.6	879.6	1.84	2.41	2.02	-31.5	-41.5	-44.1	0.00		
3.5	10.89	893.0	885.4	882.3	1.77	2.37	1.96	-31.7	-42.0	-44.1	0.00		
3.8	10.88	895.7	888.1	885.1	1.73	2.34	1.91	-31.7	-41.1	-44.0	-0.01		
4.0	10.83	898.5	890.8	887.8	1.68	2.30	1.87	-31.7	-42.6	-45.6	-0.01		
4.3	10.74	901.1	893.5	890.5	1.61	2.27	1.82	-31.5	-43.5	-45.5	-0.01		
4.5	10.60	903.8	896.1	893.1	1.56	2.22	1.78	-31.5	-41.1	-43.5	-0.01		
4.8	10.45	906.4	898.7	895.8	1.58	2.17	1.75	-31.5	-40.9	-43.3	-0.01		
5.0	10.26	908.9	901.3	898.4	1.57	2.11	1.71	-31.4	-41.2	-45.2	-0.02		
5.3	10.08	911.4	903.8	900.9	1.53	2.05	1.66	-31.4	-39.4	-42.9	-0.02		
5.5	9.88	913.8	906.3	903.4	1.50	1.99	1.61	-31.3	-38.8	-42.8	-0.02		
5.8	9.68	916.2	908.7	905.8	1.47	1.94	1.61	-31.4	-39.4	-45.2	-0.02		
6.0	9.44	918.6	911.1	908.1	1.38	1.86	1.55	-31.2	-38.3	-42.6	-0.02		
6.3	9.12	920.9	913.4	910.4	1.33	1.83	1.53	-31.2	-38.3	-42.6	-0.02		
6.5	8.86	923.1	915.6	912.6	1.28	1.81	1.51	-31.1	-38.0	-42.3	-0.02		
6.8	8.73	925.3	917.8	914.8	1.23	1.78	1.47	-31.2	-38.3	-42.5	-0.02		
7.0	8.59	927.4	919.9	917.0	1.19	1.74	1.42	-31.3	-38.0	-42.5	-0.01		