

Voltage Controlled Oscillator

ROS-EDR6435

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			
0.5	5.81	405.0	403.7	402.7	1.88	2.02	1.70	-22.4	-39.9	-42.9	-0.06	1	-95
1.0	5.08	407.9	406.6	405.6	1.91	2.07	1.75	-22.5	-39.8	-42.7	-0.04	10	-119
1.5	4.68	410.4	409.2	408.2	1.95	2.11	1.79	-22.6	-40.1	-42.3	-0.03	100	-139
2.0	4.44	412.8	411.5	410.5	1.98	2.15	1.81	-22.7	-40.1	-42.3	-0.03	1000	-154
2.5	4.31	415.0	413.7	412.8	2.01	2.18	1.84	-22.7	-40.2	-41.8	-0.03		
3.0	4.25	417.2	415.9	414.9	2.04	2.21	1.86	-22.8	-40.2	-41.8	-0.03		
3.5	4.25	419.4	418.0	417.0	2.07	2.24	1.88	-22.9	-40.2	-41.5	-0.03		
4.0	4.30	421.5	420.2	419.1	2.10	2.27	1.90	-23.1	-40.3	-41.4	-0.03		
4.5	4.39	423.7	422.3	421.3	2.13	2.29	1.91	-23.4	-40.3	-41.2	-0.02		
5.0	4.52	426.0	424.5	423.5	2.16	2.31	1.93	-23.6	-40.3	-40.9	-0.02		
5.5	4.69	428.3	426.8	425.7	2.19	2.33	1.94	-23.9	-40.2	-40.5	-0.02		
6.0	4.90	430.7	429.1	428.0	2.21	2.35	1.95	-24.1	-40.1	-40.2	-0.02		
6.5	5.12	433.2	431.6	430.5	2.23	2.36	1.96	-24.1	-40.2	-40.1	-0.02		
7.0	5.40	435.8	434.1	433.0	2.25	2.36	1.97	-24.1	-40.3	-39.8	-0.02		
7.5	5.68	438.6	436.8	435.7	2.26	2.36	1.97	-24.0	-40.2	-39.5	-0.02		
8.0	5.96	441.5	439.6	438.5	2.25	2.35	1.95	-24.0	-40.3	-39.3	-0.03		
8.5	6.21	444.5	442.6	441.5	2.21	2.30	1.91	-24.2	-40.3	-39.1	-0.04		
9.0	6.43	447.6	445.7	444.5	2.16	2.25	1.86	-24.5	-40.1	-38.6	-0.07		
9.5	6.58	450.9	448.9	447.7	2.12	2.20	1.81	-24.7	-40.3	-38.4	-0.10		
10.0	6.66	454.2	452.2	451.0	2.07	2.15	1.76	-24.8	-40.1	-38.2	-0.14		
10.5	6.68	457.5	455.6	454.3	2.00	2.08	1.71	-24.7	-40.2	-37.8	-0.18		
11.0	6.63	460.9	458.9	457.6	1.92	2.01	1.64	-24.7	-40.0	-37.4	-0.23		
11.5	6.48	464.2	462.2	460.9	1.84	1.94	1.57	-25.0	-40.2	-37.1	-0.27		
12.0	6.48	467.5	465.5	464.2	1.75	1.87	1.50	-25.1	-40.3	-36.9	-0.31		