

Voltage Controlled Oscillator

ROS-ED9898/1

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			
0.1	28.30	430.2	425.7	422.7	-0.37	-0.28	-0.37	-12.3	-35.0	-37.4	1.21	1	-83
0.2	28.96	432.9	428.6	425.4	-0.31	-0.25	-0.40	-12.4	-35.4	-37.0	1.15	10	-108
0.3	26.46	435.6	431.2	428.1	-0.32	-0.27	-0.36	-12.6	-36.1	-36.5	0.97	100	-128
0.4	25.23	438.1	433.7	430.8	-0.24	-0.22	-0.38	-12.7	-36.6	-36.4	0.87	1000	-148
0.5	24.83	440.7	436.2	433.2	-0.23	-0.22	-0.34	-12.7	-36.7	-35.8	0.79		
0.6	24.33	443.2	438.6	435.7	-0.14	-0.15	-0.35	-12.9	-37.6	-35.8	0.72		
0.7	24.26	445.6	441.1	438.1	-0.12	-0.15	-0.28	-12.9	-38.3	-35.5	0.67		
0.8	23.95	448.1	443.5	440.5	-0.03	-0.07	-0.29	-13.0	-39.2	-35.4	0.63		
0.9	23.85	450.5	445.8	442.9	0.00	-0.06	-0.24	-13.1	-39.9	-35.5	0.61		
1.0	23.72	453.0	448.2	445.3	0.08	0.02	-0.26	-13.2	-40.6	-35.1	0.63		
1.1	24.07	455.4	450.6	447.9	0.12	0.04	-0.21	-13.3	-40.7	-35.1	0.64		
1.2	24.53	457.8	453.1	450.5	0.22	0.10	-0.25	-13.4	-42.4	-35.3	0.65		
1.3	25.94	460.2	455.7	453.2	0.25	0.08	-0.24	-13.5	-43.8	-35.6	0.63		
1.4	27.46	462.7	458.4	456.0	0.21	0.11	-0.29	-13.8	-45.3	-36.0	0.55		
1.5	29.14	465.2	461.3	458.8	0.22	0.05	-0.28	-14.1	-45.8	-37.1	0.44		
1.6	29.34	467.9	464.3	461.7	0.31	-0.08	-0.33	-14.4	-46.5	-38.3	0.34		
1.7	30.48	470.8	467.3	464.6	0.22	-0.16	-0.44	-14.7	-45.8	-39.5	0.24		
1.8	30.66	474.0	470.4	467.6	0.12	-0.08	-0.34	-15.1	-45.9	-42.1	0.15		
1.9	30.35	477.1	473.4	470.5	0.01	-0.12	-0.39	-15.5	-45.1	-44.9	0.11		
2.0	30.20	480.3	476.4	473.4	-0.30	-0.18	-0.40	-15.8	-44.4	-47.2	0.08		
2.1	29.68	483.4	479.4	476.3	-0.19	-0.44	-0.43	-16.1	-44.3	-49.1	0.07		
2.2	29.12	486.4	482.3	479.1	-0.28	-0.48	-0.67	-16.3	-43.8	-49.0	0.08		
2.3	28.76	489.4	485.2	481.9	-0.37	-0.33	-0.70	-16.5	-44.1	-47.9	0.10		
2.4	28.86	492.4	488.1	484.7	-0.42	-0.39	-0.53	-16.7	-44.0	-45.8	0.10		
2.5	28.14	495.3	490.9	487.4	-0.51	-0.43	-0.57	-16.9	-45.6	-42.9	0.11		
2.6	27.92	498.2	493.7	490.1	-0.60	-0.50	-0.61	-17.0	-44.8	-41.5	0.13		
2.7	27.37	501.0	496.4	492.8	-0.62	-0.52	-0.68	-17.1	-44.3	-40.8	0.15		
2.8	27.30	503.8	499.1	495.5	-0.68	-0.60	-0.71	-17.2	-45.7	-38.8	0.16		
2.9	26.71	506.5	501.8	498.1	-0.68	-0.61	-0.79	-17.3	-46.4	-38.4	0.20		
3.0	26.37	509.1	504.5	500.7	-0.76	-0.66	-0.80	-17.3	-45.3	-37.5	0.22		
3.1	25.78	511.8	507.0	503.3	-0.77	-0.66	-0.86	-17.4	-46.9	-37.5	0.25		
3.2	25.65	514.4	509.6	505.8	-0.79	-0.75	-0.86	-17.6	-46.9	-36.9	0.28		
3.3	25.48	516.9	512.1	508.4	-0.78	-0.75	-0.96	-17.6	-47.4	-36.3	0.30		
3.4	24.85	519.5	514.6	510.8	-0.84	-0.78	-0.96	-17.7	-46.2	-35.6	0.34		
3.5	24.42	522.0	517.1	513.2	-0.84	-0.77	-1.00	-17.8	-46.4	-34.9	0.37		
3.6	24.03	524.5	519.5	515.6	-0.90	-0.83	-0.99	-17.9	-46.8	-35.1	0.43		
3.7	23.97	526.9	521.9	518.0	-0.89	-0.82	-1.05	-18.0	-46.8	-34.8	0.47		
3.8	24.22	529.2	524.3	520.3	-0.93	-0.89	-1.05	-18.0	-45.5	-34.4	0.53		
3.9	23.47	531.5	526.6	522.6	-0.94	-0.89	-1.12	-18.1	-45.5	-33.6	0.59		
4.0	22.40	533.8	528.9	524.9	-1.02	-0.93	-1.13	-18.2	-44.6	-33.6	0.67		
4.1	22.43	536.0	531.1	527.3	-1.05	-0.95	-1.15	-18.3	-45.9	-33.2	0.77		
4.2	22.14	538.2	533.3	529.5	-1.12	-1.04	-1.21	-18.4	-45.1	-33.1	0.88		
4.3	21.96	540.4	535.5	531.7	-1.16	-1.07	-1.24	-18.5	-44.2	-33.4	0.97		
4.4	21.57	542.5	537.7	533.9	-1.20	-1.15	-1.34	-18.7	-44.8	-32.9	1.07		
4.5	21.47	544.7	539.8	536.1	-1.26	-1.20	-1.38	-18.8	-44.6	-33.2	1.16		
4.6	21.29	546.9	542.0	538.2	-1.32	-1.25	-1.46	-18.9	-44.5	-33.3	1.24		
4.7	20.96	549.0	544.1	540.2	-1.44	-1.29	-1.50	-19.1	-42.9	-33.2	1.29		
4.8	20.71	551.1	546.1	542.2	-1.51	-1.34	-1.54	-19.2	-44.0	-33.3	1.32		
4.9	20.36	553.2	548.2	544.2	-1.59	-1.46	-1.58	-19.3	-44.6	-33.4	1.36		
5	19.93	555.2	550.2	546.2	-1.65	-1.52	-1.63	-19.4	-44.3	-33.1	1.38		