

Voltage Controlled Oscillator

ROS-EDR5438

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	34.85	317.6	315.0	313.8	2.37	2.94	2.86	-17.9	-36.5	-42.6	-1.80	1	-85
0.5	33.80	326.3	323.4	322.1	2.33	3.00	2.97	-19.4	-37.5	-40.5	-1.62	10	-110
0.8	30.35	334.0	331.0	329.6	2.49	3.15	3.15	-20.0	-38.6	-40.5	-1.24	100	-131
1.0	27.45	341.1	337.9	336.4	2.70	3.38	3.37	-20.4	-38.2	-41.9	-1.15	1000	-146
1.3	26.46	347.8	344.5	342.9	2.90	3.57	3.53	-21.0	-37.4	-43.0	-0.79		
1.5	25.39	354.3	350.8	349.2	3.08	3.73	3.64	-21.4	-36.9	-44.1	-0.74		
1.8	24.71	360.7	357.0	355.5	3.25	3.85	3.68	-21.7	-36.2	-44.9	-0.68		
2.0	24.29	366.9	363.1	361.7	3.40	3.92	3.66	-22.3	-35.6	-45.2	-0.78		
2.3	24.34	373.0	369.2	367.9	3.53	3.89	3.62	-22.7	-35.5	-44.4	-1.02		
2.5	24.62	379.0	375.3	374.0	3.63	3.81	3.57	-23.2	-35.3	-42.5	-1.04		
2.8	24.53	384.8	381.4	380.1	3.67	3.72	3.53	-24.3	-35.5	-41.1	-1.02		
3.0	24.29	390.6	387.5	386.1	3.57	3.64	3.50	-24.9	-35.7	-39.8	-0.99		
3.3	23.96	396.7	393.5	392.0	3.40	3.58	3.47	-25.2	-36.1	-38.7	-0.97		
3.5	23.42	402.6	399.4	397.9	3.25	3.51	3.43	-25.7	-36.6	-38.1	-0.90		
3.8	23.28	408.5	405.2	403.6	3.11	3.44	3.39	-26.2	-36.9	-37.3	-0.95		
4.0	22.62	414.2	410.8	409.2	2.98	3.37	3.33	-26.2	-37.1	-37.0	-0.93		
4.3	22.08	419.7	416.4	414.7	2.85	3.29	3.26	-26.2	-37.2	-36.8	-0.91		
4.5	21.47	425.1	421.7	420.1	2.72	3.19	3.17	-26.5	-37.3	-36.7	-0.89		
4.8	20.84	430.4	426.9	425.2	2.58	3.07	3.05	-26.7	-36.9	-36.3	-0.85		
5.0	20.26	435.4	432.0	430.3	2.39	2.91	2.90	-26.6	-36.6	-36.3	-0.77		
5.3	19.88	440.4	437.0	435.3	2.09	2.69	2.70	-26.3	-36.3	-36.1	-0.78		
5.5	19.86	445.5	441.9	440.2	1.64	2.40	2.44	-26.5	-35.9	-35.9	-0.80		
5.8	19.75	450.6	446.9	445.0	1.26	2.09	2.16	-26.9	-36.2	-35.2	-0.84		
6.0	18.98	455.2	451.6	449.8	1.00	1.83	1.91	-26.9	-36.9	-34.9	-0.81		
6.3	17.81	459.6	456.1	454.2	0.79	1.62	1.71	-26.5	-37.4	-34.7	-0.75		
6.5	16.86	463.9	460.3	458.4	0.59	1.42	1.51	-26.2	-37.5	-34.8	-0.69		
6.8	16.13	467.9	464.3	462.4	0.39	1.23	1.32	-25.9	-37.2	-35.2	-0.64		
7.0	15.39	471.8	468.2	466.2	0.17	1.03	1.12	-25.7	-36.4	-35.6	-0.55		