

Voltage Controlled Oscillator

ROS-EDR5236/1

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			
0.5	22.21	372.6	369.8	367.5	5.23	5.07	4.59	-19.3	-42.8	-44.4	-0.16	1	-89
1.0	17.00	381.0	378.3	376.2	5.37	5.12	4.61	-20.4	-43.3	-44.3	-0.13	10	-112
1.5	14.53	388.1	385.5	383.6	5.48	5.15	4.63	-21.1	-43.1	-44.2	-0.12	100	-130
2.0	13.10	394.6	392.1	390.2	5.61	5.17	4.67	-21.4	-42.9	-44.5	-0.12	1000	-149
2.5	12.15	400.6	398.2	396.3	5.73	5.18	4.70	-22.2	-42.6	-44.9	-0.13		
3.0	11.51	406.3	403.9	402.1	5.81	5.19	4.75	-23.0	-42.5	-45.3	-0.13		
3.5	11.07	411.7	409.5	407.6	5.85	5.19	4.79	-23.4	-42.0	-46.3	-0.12		
4.0	10.76	417.0	414.8	412.9	5.90	5.19	4.80	-24.1	-41.8	-47.1	-0.12		
4.5	10.55	422.3	420.1	418.2	5.84	5.16	4.81	-24.9	-41.6	-47.6	-0.11		
5.0	10.43	427.5	425.3	423.3	5.75	5.13	4.82	-25.4	-41.1	-48.3	-0.10		
5.5	10.36	432.8	430.5	428.5	5.68	5.12	4.82	-25.7	-41.1	-49.1	-0.09		
6.0	10.34	438.0	435.7	433.6	5.63	5.13	4.87	-26.1	-40.8	-49.6	-0.08		
6.5	10.36	443.3	440.8	438.7	5.63	5.16	4.91	-26.8	-40.5	-49.7	-0.07		
7.0	10.44	448.6	446.1	443.8	5.61	5.20	4.97	-27.7	-40.7	-49.8	-0.06		
7.5	10.54	454.0	451.3	449.0	5.60	5.24	5.04	-28.2	-40.5	-49.4	-0.05		
8.0	10.66	459.4	456.7	454.2	5.58	5.26	5.07	-28.5	-40.5	-48.9	-0.04		
8.5	10.76	464.9	462.0	459.5	5.54	5.26	5.08	-29.1	-40.4	-48.3	-0.02		
9.0	10.84	470.4	467.5	464.8	5.43	5.20	5.06	-29.5	-40.3	-48.1	-0.01		
9.5	10.89	476.0	472.9	470.1	5.34	5.15	5.01	-29.8	-40.4	-47.9	0.00		
10.0	10.90	481.6	478.4	475.5	5.24	5.10	4.96	-30.3	-40.5	-48.0	0.01		
10.5	10.75	487.1	483.7	480.7	5.12	5.03	4.90	-30.8	-40.9	-48.2	0.03		
11.0	10.51	492.5	489.0	485.9	5.01	4.96	4.82	-30.9	-41.0	-48.8	0.05		
11.5	10.16	497.7	494.1	490.9	4.88	4.88	4.71	-31.0	-40.8	-48.9	0.07		
12.0	9.71	502.7	498.9	495.6	4.73	4.77	4.56	-31.1	-41.2	-49.1	0.10		