

Voltage Controlled Oscillator

ROS-EDR4874

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	30.21	233.3	229.8	227.5	7.12	7.22	6.91	-20.1	-31.7	-35.8	-0.70	1	-76
1.0	25.86	245.6	242.7	240.9	8.19	8.50	8.21	-20.8	-31.1	-35.8	-0.83	10	-100
1.5	24.58	257.6	255.0	253.4	8.94	9.35	9.05	-20.6	-31.3	-36.3	-1.47	100	-119
2.0	24.96	270.3	267.5	265.7	9.38	9.64	9.39	-20.5	-32.3	-37.1	-1.22	1000	-139
2.5	22.78	281.7	278.8	277.1	9.27	9.66	9.56	-20.5	-32.4	-37.8	-0.90		
3.0	22.27	292.9	290.0	288.0	9.43	9.88	9.87	-20.4	-33.1	-39.8	-0.77		
3.5	20.61	303.4	300.3	298.2	9.72	10.17	10.19	-20.2	-33.4	-40.3	-0.70		
4.0	19.71	313.3	310.1	308.0	9.81	10.37	10.39	-19.7	-34.0	-40.4	-0.58		
4.5	18.18	322.2	319.2	317.2	9.78	10.48	10.41	-19.4	-34.3	-40.2	-0.45		
5.0	19.84	332.4	329.2	327.0	9.83	10.52	10.44	-18.9	-35.2	-39.5	-0.70		
5.5	19.58	342.5	338.9	336.8	9.99	10.69	10.47	-19.1	-36.4	-39.7	-0.58		
6.0	18.69	351.8	348.3	346.0	10.07	10.69	10.43	-19.3	-38.2	-39.9	-0.32		
6.5	17.28	360.3	356.9	354.7	9.95	10.64	10.36	-19.9	-39.1	-41.1	0.00		
7.0	15.49	367.7	364.7	362.6	9.82	10.52	10.31	-20.6	-38.4	-42.4	0.00		
7.5	16.64	376.4	373.0	370.9	9.85	10.53	10.41	-21.2	-38.2	-41.0	-0.70		
8.0	19.20	386.2	382.6	380.2	10.07	10.66	10.64	-21.5	-39.1	-39.1	-0.70		
8.5	18.18	395.6	391.7	389.2	10.15	10.98	10.82	-22.0	-40.0	-37.9	-0.51		
9.0	17.02	404.2	400.2	397.9	10.35	11.15	10.84	-22.6	-41.1	-36.7	-0.64		
9.5	17.79	413.1	409.1	406.7	10.45	11.28	11.00	-23.3	-42.9	-35.4	-0.64		
10.0	17.28	421.9	417.7	415.3	10.74	11.53	11.24	-23.9	-43.9	-35.0	-0.19		
10.5	14.72	429.0	425.1	422.7	11.03	11.71	11.42	-24.0	-43.7	-35.7	0.19		
11.0	12.67	434.9	431.4	429.1	10.96	11.50	11.23	-24.6	-43.0	-37.6	0.58		
11.5	11.01	440.2	436.9	434.6	10.59	10.85	10.63	-25.6	-42.1	-40.2	0.32		
12.0	12.54	446.3	443.2	441.0	10.06	10.44	10.14	-27.4	-41.6	-42.4	-0.64		
12.5	15.62	454.2	451.0	448.6	10.03	10.39	10.09	-29.3	-42.1	-44.1	-0.70		
13.0	15.23	462.0	458.6	456.2	10.11	10.44	10.12	-30.8	-42.4	-44.1	-0.70		
13.5	14.72	469.4	466.0	463.4	10.11	10.46	10.09	-31.9	-42.5	-44.1	-0.58		
14.0	13.70	476.5	472.8	470.1	9.94	10.35	9.95	-32.6	-42.7	-43.6	-0.51		
14.5	12.54	482.9	479.1	476.7	9.75	10.12	9.69	-32.8	-43.1	-42.5	-0.51		
15.0	12.16	488.8	485.2	482.6	9.41	9.81	9.57	-33.3	-43.7	-41.0	-0.45		
15.5	12.29	494.9	491.3	488.6	9.35	9.69	9.48	-34.7	-45.2	-39.4	-0.58		
16.0	11.65	501.0	497.2	494.3	9.46	9.78	9.46	-37.8	-46.9	-38.9	-0.45		
16.5	10.88	506.4	502.6	499.6	9.51	9.81	9.43	-41.4	-47.8	-38.7	-0.32		
17.0	9.98	511.6	507.6	504.6	9.42	9.79	9.35	-45.9	-48.6	-38.6	-0.26		
17.5	9.34	516.5	512.3	509.1	9.41	9.72	9.21	-51.2	-49.2	-38.9	-0.13		
18.0	8.70	520.8	516.6	513.5	9.37	9.62	8.97	-55.0	-49.6	-39.0	-0.13		
18.5	8.06	524.8	520.6	517.6	9.26	9.48	8.85	-51.3	-49.7	-38.8	-0.06		
19.5	6.91	532.0	527.8	524.9	8.88	9.12	8.50	-44.8	-50.0	-38.7	0.13		
20.0	6.40	535.1	531.0	528.0	8.67	8.89	8.27	-43.0	-50.0	-38.7	0.19		