

Voltage Controlled Oscillator

ROS-EDR5722

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	37.06	377.9	372.4	369.3	0.81	1.37	1.43	-18.6	-32.0	-50.4	0.64	1	-85
0.5	32.67	385.8	380.6	377.7	1.14	1.68	1.78	-19.5	-31.9	-46.1	0.50	10	-109
0.8	30.04	393.1	388.1	385.3	1.42	1.96	2.06	-20.0	-31.6	-42.8	0.42	100	-129
1.0	28.49	400.2	395.2	392.4	1.66	2.21	2.35	-20.5	-31.5	-40.5	0.32	1000	-148
1.3	27.21	407.0	402.0	399.2	1.91	2.44	2.59	-21.2	-31.3	-38.5	0.22		
1.5	26.32	413.5	408.6	405.8	2.12	2.67	2.81	-21.6	-31.1	-37.1	0.14		
1.8	25.66	419.9	415.0	412.2	2.26	2.85	2.98	-22.2	-31.2	-36.1	0.14		
2.0	25.31	426.2	421.4	418.6	2.34	2.99	3.10	-22.8	-31.4	-35.4	0.20		
2.3	25.27	432.4	427.7	424.9	2.36	3.07	3.16	-23.4	-31.7	-34.7	0.28		
2.5	25.16	438.6	434.0	431.2	2.32	3.09	3.19	-24.0	-32.2	-34.1	0.36		
2.8	25.16	444.9	440.3	437.5	2.21	3.06	3.18	-24.6	-32.4	-33.6	0.36		
3.0	25.03	451.2	446.5	443.7	2.03	2.97	3.14	-25.3	-33.0	-33.2	0.34		
3.3	24.82	457.4	452.7	449.8	1.80	2.80	3.06	-25.7	-33.6	-33.1	0.32		
3.5	24.50	463.6	458.8	455.9	1.52	2.61	2.93	-26.2	-34.3	-33.1	0.30		
3.8	24.14	469.7	464.9	461.9	1.20	2.38	2.75	-26.6	-34.8	-33.2	0.30		
4.0	23.90	475.8	470.9	467.8	0.89	2.14	2.54	-27.0	-35.5	-33.2	0.30		
4.3	23.52	481.7	476.7	473.6	0.59	1.88	2.29	-27.3	-36.0	-33.4	0.22		
4.5	22.92	487.5	482.5	479.3	0.28	1.61	2.02	-27.6	-36.6	-33.0	0.12		
4.8	22.18	493.1	488.0	484.8	-0.05	1.32	1.74	-27.7	-37.2	-32.7	0.02		
5.0	21.40	498.4	493.4	490.1	-0.39	0.99	1.45	-27.7	-37.6	-31.9	-0.12		
5.3	20.53	503.6	498.5	495.2	-0.77	0.65	1.14	-27.6	-38.2	-31.4	-0.24		
5.5	19.70	508.5	503.4	500.0	-1.13	0.30	0.83	-27.4	-39.1	-31.0	-0.34		
5.8	18.90	513.2	508.1	504.7	-1.46	-0.03	0.52	-27.1	-39.9	-30.5	-0.46		
6.0	18.10	517.7	512.7	509.2	-1.79	-0.35	0.21	-26.9	-40.9	-30.2	-0.58		
6.3	17.30	522.0	517.0	513.5	-2.13	-0.68	-0.10	-26.6	-41.8	-30.0	-0.66		
6.5	16.62	526.2	521.1	517.7	-2.44	-1.00	-0.41	-26.4	-42.6	-29.6	-0.78		
6.8	15.96	530.1	525.1	521.6	-2.76	-1.31	-0.72	-26.1	-43.5	-29.3	-0.86		
7.0	15.21	533.9	528.9	525.4	-3.08	-1.63	-1.01	-25.8	-44.2	-29.2	-0.94		