

Voltage Controlled Oscillator

ROS-EDR4949/1

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			
0.3	25.80	729.0	724.6	721.8	5.31	5.23	4.51	-28.8	-51.6	-58.4	-0.51	1	-86
0.5	23.20	734.8	730.4	727.7	5.30	5.26	4.54	-29.1	-48.5	-56.3	-0.42	10	-110
0.8	21.80	740.2	735.8	733.2	5.30	5.27	4.58	-29.1	-46.3	-54.7	-0.37	100	-128
1.0	21.00	745.5	741.1	738.5	5.29	5.28	4.64	-29.4	-44.7	-56.4	-0.33	1000	-148
1.3	20.60	750.7	746.2	743.6	5.28	5.29	4.69	-29.4	-43.3	-53.2	-0.30		
1.5	20.40	755.8	751.3	748.7	5.26	5.29	4.71	-29.6	-42.1	-52.8	-0.28		
1.8	20.30	760.9	756.4	753.7	5.21	5.29	4.71	-29.5	-41.6	-53.4	-0.26		
2.0	20.40	766.1	761.5	758.8	5.17	5.28	4.69	-29.7	-40.8	-50.3	-0.26		
2.3	20.60	771.3	766.6	763.9	5.14	5.27	4.66	-29.9	-40.1	-50.1	-0.26		
2.5	20.80	776.6	771.8	769.1	5.13	5.25	4.62	-30.0	-39.6	-52.3	-0.27		
2.8	21.00	781.9	777.1	774.3	5.16	5.23	4.62	-30.1	-39.2	-49.9	-0.29		
3.0	21.10	787.3	782.3	779.7	5.20	5.20	4.66	-30.3	-39.1	-49.7	-0.32		
3.3	21.20	792.6	787.7	785.0	5.23	5.18	4.73	-30.4	-39.1	-49.6	-0.36		
3.5	21.30	797.9	793.0	790.3	5.24	5.15	4.79	-30.5	-38.9	-48.8	-0.40		
3.8	21.30	803.1	798.3	795.6	5.17	5.12	4.78	-30.4	-38.7	-48.2	-0.45		
4.0	21.20	808.4	803.6	800.8	5.10	5.09	4.74	-30.5	-38.7	-48.4	-0.51		
4.3	21.00	813.6	808.9	806.1	5.01	5.06	4.64	-30.4	-38.9	-51.4	-0.56		
4.5	20.80	818.8	814.1	811.3	4.96	5.03	4.54	-30.1	-39.2	-48.7	-0.61		
4.8	20.50	823.9	819.2	816.4	4.96	4.99	4.47	-30.3	-43.2	-50.0	-0.65		
5.0	20.20	828.9	824.2	821.5	4.98	4.96	4.44	-30.3	-39.3	-47.7	-0.69		
5.3	19.80	833.9	829.2	826.5	5.01	4.93	4.44	-30.4	-40.0	-47.5	-0.72		
5.5	19.40	838.7	834.0	831.4	5.01	4.90	4.46	-30.7	-44.2	-47.1	-0.75		
5.8	19.00	843.4	838.8	836.2	4.99	4.87	4.47	-30.8	-39.7	-47.1	-0.76		
6.0	18.60	848.0	843.4	840.8	4.96	4.84	4.46	-30.7	-39.4	-46.8	-0.77		
6.3	18.10	852.5	848.0	845.3	4.90	4.81	4.45	-30.8	-40.4	-46.6	-0.77		
6.5	17.70	856.9	852.4	849.7	4.81	4.78	4.41	-30.8	-42.2	-46.2	-0.77		
6.8	17.20	861.2	856.7	854.0	4.73	4.74	4.31	-30.6	-40.7	-46.2	-0.77		
7.0	16.80	865.5	860.9	858.2	4.67	4.70	4.21	-30.5	-44.0	-47.4	-0.76		