

Voltage Controlled Oscillator

ROS-EDR5764/1

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	14.01	765.4	763.1	762.5	1.47	1.69	1.63	-18.0	-36.8	-49.0	0.06	1	-86
0.5	12.93	768.7	766.3	765.7	1.59	1.80	1.74	-18.0	-36.5	-50.6	0.06	10	-110
0.8	12.43	772.0	769.4	768.8	1.69	1.90	1.83	-18.2	-36.1	-51.3	0.06	100	-130
1.0	12.28	775.2	772.5	771.8	1.78	1.97	1.90	-18.2	-35.9	-51.3	0.05	1000	-148
1.3	12.24	778.5	775.5	774.8	1.87	2.05	1.96	-18.3	-35.7	-51.0	0.05		
1.5	12.41	781.8	778.6	777.9	1.97	2.12	2.02	-18.4	-35.5	-50.6	0.04		
1.8	12.72	785.1	781.8	781.0	2.07	2.19	2.10	-18.5	-35.2	-49.7	0.03		
2.0	13.05	788.5	785.1	784.2	2.16	2.25	2.15	-18.6	-35.0	-48.9	0.03		
2.3	13.52	792.1	788.5	787.5	2.25	2.32	2.20	-18.7	-35.0	-48.2	0.02		
2.5	13.96	795.8	791.9	791.0	2.37	2.39	2.25	-18.9	-34.9	-47.5	0.01		
2.8	14.60	799.6	795.6	794.6	2.49	2.47	2.33	-19.2	-34.7	-46.9	-0.01		
3.0	15.26	803.5	799.4	798.4	2.57	2.54	2.40	-19.5	-34.5	-46.3	-0.03		
3.3	16.16	807.5	803.5	802.4	2.62	2.56	2.41	-19.7	-34.3	-45.6	-0.05		
3.5	17.02	811.7	807.7	806.7	2.66	2.55	2.40	-20.0	-34.4	-44.9	-0.08		
3.8	17.88	816.0	812.2	811.0	2.68	2.50	2.40	-20.3	-34.2	-44.2	-0.10		
4.0	18.92	820.5	816.9	815.7	2.67	2.44	2.38	-20.8	-34.0	-43.6	-0.12		
4.3	19.75	825.3	821.8	820.5	2.67	2.38	2.36	-21.3	-33.9	-43.2	-0.14		
4.5	20.14	830.2	826.9	825.4	2.61	2.36	2.40	-21.7	-34.1	-43.2	-0.16		
4.8	20.96	835.6	832.1	830.4	2.48	2.31	2.40	-22.3	-33.9	-42.7	-0.17		
5.0	21.32	841.1	837.5	835.6	2.37	2.29	2.41	-22.7	-33.8	-42.5	-0.17		
5.3	21.60	846.8	842.9	840.8	2.22	2.25	2.43	-23.2	-33.8	-42.3	-0.19		
5.5	21.93	852.7	848.3	846.1	2.14	2.24	2.44	-23.7	-33.5	-42.3	-0.19		
5.8	21.88	858.4	853.8	851.4	2.09	2.25	2.49	-24.2	-33.3	-41.7	-0.20		
6.0	21.66	864.2	859.2	856.6	2.01	2.28	2.56	-24.6	-33.3	-41.5	-0.22		
6.3	21.87	869.9	864.7	861.9	1.97	2.28	2.57	-25.1	-33.2	-41.5	-0.23		
6.5	21.44	875.8	870.0	867.0	1.92	2.29	2.60	-25.5	-33.4	-41.4	-0.25		
6.8	21.73	881.5	875.5	872.2	1.93	2.30	2.62	-26.0	-33.3	-41.4	-0.27		
7.0	21.10	887.0	880.8	877.4	1.97	2.34	2.66	-26.3	-33.0	-41.7	-0.29		