

Voltage Controlled Oscillator

MOS-EDR5769

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	30.55	770.3	768.8	767.9	0.66	0.39	-1.02	-21.9	-34.8	-37.7	-1.40	1	-83
0.5	26.62	776.9	775.5	774.5	0.75	0.49	-0.76	-22.3	-34.1	-37.1	-1.12	10	-110
0.8	24.56	783.0	781.6	780.6	0.79	0.56	-0.55	-22.4	-33.5	-37.0	-1.00	100	-130
1.0	23.02	788.7	787.4	786.4	0.84	0.63	-0.40	-22.8	-33.0	-36.8	-0.92	1000	-150
1.3	22.03	794.2	792.9	791.9	0.87	0.69	-0.28	-23.1	-32.7	-36.7	-0.88		
1.5	21.60	799.7	798.3	797.2	0.88	0.75	-0.18	-23.0	-32.2	-36.7	-0.90		
1.8	21.07	804.9	803.6	802.5	0.87	0.81	-0.13	-23.2	-31.9	-36.7	-0.90		
2.0	20.70	810.2	808.7	807.7	0.87	0.86	-0.12	-23.7	-31.6	-37.0	-0.94		
2.3	20.60	815.4	813.9	812.9	0.89	0.91	-0.10	-24.0	-31.2	-36.4	-1.00		
2.5	20.90	820.7	819.1	818.0	0.91	0.96	-0.07	-23.8	-31.2	-36.3	-1.10		
2.8	20.38	825.8	824.2	823.1	0.98	1.01	0.01	-24.1	-30.9	-36.2	-1.16		
3.0	20.19	831.0	829.2	828.2	1.04	1.06	0.10	-24.5	-30.6	-36.3	-1.28		
3.3	20.31	836.2	834.3	833.3	1.05	1.12	0.20	-24.9	-30.5	-36.2	-1.38		
3.5	20.39	841.3	839.4	838.3	1.08	1.16	0.26	-24.5	-30.3	-35.7	-1.46		
3.8	20.05	846.4	844.4	843.2	1.13	1.21	0.32	-25.0	-30.5	-35.5	-1.58		
4.0	19.78	851.5	849.4	848.2	1.18	1.26	0.43	-25.5	-30.3	-35.3	-1.70		
4.3	19.64	856.6	854.3	853.0	1.20	1.31	0.49	-26.0	-30.2	-34.9	-1.86		
4.5	19.70	861.5	859.2	857.8	1.21	1.34	0.55	-25.5	-30.2	-34.5	-1.92		
4.8	19.00	866.3	864.0	862.4	1.22	1.37	0.62	-25.9	-30.1	-34.3	-1.96		
5.0	18.47	871.0	868.6	866.9	1.23	1.40	0.71	-26.4	-30.2	-34.2	-2.04		
5.3	18.24	875.7	873.1	871.3	1.25	1.43	0.79	-26.8	-30.1	-33.8	-2.16		
5.5	18.00	880.2	877.6	875.5	1.28	1.46	0.85	-26.4	-30.1	-33.5	-2.14		
5.8	17.17	884.6	881.9	879.7	1.30	1.48	0.94	-26.9	-30.0	-33.3	-2.16		
6.0	16.85	888.8	886.1	883.7	1.32	1.50	1.01	-27.3	-30.2	-32.9	-2.20		
6.3	16.45	893.0	890.3	887.7	1.34	1.51	1.06	-27.8	-30.1	-33.0	-2.20		
6.5	16.10	897.2	894.3	891.5	1.33	1.53	1.13	-28.1	-30.1	-32.4	-2.20		
6.8	15.82	901.0	898.2	895.2	1.33	1.52	1.18	-27.5	-30.1	-31.9	-2.14		
7.0	14.77	904.7	901.9	898.8	1.35	1.53	1.21	-27.9	-29.9	-31.6	-2.06		