

Voltage Controlled Oscillator

MOS-EDR5665/1

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	2.86	75.4	75.1	74.8	1.61	1.75	1.31	-20.4	-40.5	-54.7	-0.16	1	-100
0.5	2.65	76.1	75.7	75.4	1.51	1.64	1.20	-20.5	-40.6	-54.4	-0.16	10	-120
0.8	2.42	76.7	76.3	76.0	1.40	1.53	1.09	-20.6	-40.7	-54.2	-0.12	100	-140
1.0	2.27	77.2	76.9	76.6	1.30	1.43	0.97	-20.7	-40.7	-54.4	-0.10	1000	-154
1.3	2.19	77.8	77.5	77.2	1.20	1.33	0.87	-20.8	-40.7	-54.4	-0.08		
1.5	2.14	78.3	78.0	77.7	1.11	1.23	0.76	-20.9	-40.7	-54.2	-0.08		
1.8	2.11	78.8	78.5	78.2	1.01	1.13	0.65	-21.0	-40.7	-54.3	-0.08		
2.0	2.10	79.4	79.0	78.8	0.91	1.03	0.54	-21.0	-40.5	-54.5	-0.08		
2.3	2.10	79.9	79.6	79.3	0.81	0.93	0.43	-21.1	-40.5	-54.6	-0.08		
2.5	2.12	80.4	80.1	79.8	0.70	0.82	0.32	-21.2	-40.5	-54.6	-0.08		
2.8	2.12	81.0	80.6	80.3	0.59	0.71	0.20	-21.3	-40.4	-54.6	-0.08		
3.0	2.14	81.5	81.2	80.9	0.48	0.60	0.09	-21.3	-40.4	-54.7	-0.08		
3.3	2.16	82.0	81.7	81.4	0.37	0.49	-0.03	-21.3	-40.3	-54.9	-0.08		
3.5	2.18	82.6	82.2	82.0	0.26	0.38	-0.15	-21.4	-40.3	-54.5	-0.08		
3.8	2.19	83.1	82.8	82.5	0.13	0.26	-0.28	-21.4	-40.1	-54.7	-0.08		
4.0	2.20	83.7	83.3	83.1	0.02	0.14	-0.41	-21.5	-40.1	-54.5	-0.08		
4.3	2.20	84.2	83.9	83.6	-0.11	0.02	-0.54	-21.5	-40.1	-54.6	-0.10		
4.5	2.21	84.8	84.4	84.2	-0.23	-0.11	-0.67	-21.6	-39.9	-54.7	-0.12		
4.8	2.19	85.3	85.0	84.7	-0.36	-0.23	-0.80	-21.6	-40.0	-54.8	-0.12		
5.0	2.18	85.9	85.5	85.3	-0.48	-0.35	-0.94	-21.7	-39.9	-55.1	-0.12		
5.3	2.16	86.4	86.1	85.8	-0.61	-0.48	-1.07	-21.7	-39.9	-54.3	-0.12		
5.5	2.13	86.9	86.6	86.3	-0.74	-0.60	-1.20	-21.8	-39.9	-54.4	-0.12		
5.8	2.09	87.4	87.1	86.9	-0.87	-0.72	-1.33	-21.9	-39.8	-53.9	-0.14		
6.0	2.05	88.0	87.6	87.4	-0.99	-0.84	-1.46	-21.9	-39.9	-54.0	-0.14		
6.3	2.00	88.5	88.1	87.9	-1.11	-0.96	-1.59	-22.0	-39.8	-53.6	-0.16		
6.5	1.96	88.9	88.6	88.4	-1.23	-1.08	-1.72	-22.0	-39.6	-53.4	-0.16		
6.8	1.90	89.4	89.1	88.8	-1.35	-1.20	-1.84	-22.0	-39.6	-53.3	-0.16		
7.0	1.85	89.9	89.6	89.3	-1.47	-1.31	-1.96	-22.1	-39.6	-52.9	-0.16		