

Voltage Controlled Oscillator

MOS-EDR6310

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	15.42	104.5	101.3	99.6	3.47	4.16	4.43	-10.1	-33.4	-40.7	0.03	1	-82
0.5	17.29	108.6	105.6	103.6	3.09	3.68	3.91	-11.5	-34.9	-41.2	-0.21	10	-104
0.8	17.03	112.5	109.9	107.9	2.81	3.35	3.57	-13.0	-36.6	-41.7	-0.04	100	-124
1.0	16.37	116.3	114.0	112.0	2.62	3.11	3.32	-14.6	-38.5	-42.2	0.06	1000	-144
1.3	15.92	120.1	118.0	116.0	2.49	2.94	3.14	-16.1	-40.6	-42.6	0.12		
1.5	15.62	123.8	121.9	120.0	2.40	2.83	3.01	-17.6	-42.4	-42.8	0.16		
1.8	15.34	127.5	125.7	123.9	2.35	2.75	2.91	-19.0	-44.2	-43.2	0.19		
2.0	15.07	131.1	129.5	127.7	2.33	2.69	2.84	-20.3	-45.9	-43.5	0.19		
2.3	14.65	134.6	133.1	131.4	2.32	2.65	2.78	-21.7	-47.0	-43.9	0.20		
2.5	14.30	138.0	136.7	135.1	2.32	2.63	2.74	-22.9	-47.8	-44.4	0.19		
2.8	13.80	141.3	140.2	138.7	2.35	2.64	2.74	-24.1	-48.2	-44.4	0.18		
3.0	13.17	144.4	143.5	142.1	2.37	2.65	2.74	-25.2	-48.7	-44.8	0.17		
3.3	12.61	147.4	146.6	145.3	2.39	2.62	2.70	-26.2	-48.6	-45.1	0.17		
3.5	11.94	150.2	149.6	148.5	2.38	2.59	2.65	-27.2	-48.6	-45.2	0.17		
3.8	11.25	152.8	152.4	151.4	2.40	2.57	2.61	-28.0	-48.8	-45.5	0.20		
4.0	10.54	155.3	155.0	154.2	2.41	2.55	2.57	-28.8	-49.1	-45.7	0.24		
4.3	9.83	157.6	157.5	156.8	2.40	2.51	2.52	-29.4	-49.1	-45.8	0.30		
4.5	9.13	159.7	159.8	159.3	2.38	2.46	2.45	-29.9	-49.4	-45.7	0.38		
4.8	8.36	161.6	161.9	161.5	2.34	2.39	2.37	-30.3	-49.2	-45.9	0.46		
5.0	7.72	163.4	163.8	163.5	2.29	2.32	2.27	-30.7	-49.5	-45.9	0.55		
5.3	7.14	165.1	165.6	165.4	2.24	2.24	2.18	-31.0	-49.7	-45.9	0.63		
5.5	6.64	166.8	167.2	167.2	2.17	2.15	2.07	-31.3	-49.8	-46.2	0.71		
5.8	6.24	168.3	168.8	168.8	2.09	2.06	1.97	-31.5	-50.1	-45.7	0.76		
6.0	5.97	169.7	170.3	170.4	2.01	1.97	1.86	-31.7	-50.3	-45.9	0.80		
6.3	5.78	171.2	171.7	171.9	1.92	1.87	1.75	-31.9	-50.2	-46.0	0.81		
6.5	5.69	172.6	173.2	173.3	1.82	1.75	1.63	-32.0	-50.4	-45.8	0.81		
6.8	5.61	174.0	174.6	174.8	1.72	1.64	1.50	-32.1	-50.3	-45.9	0.81		
7.0	5.61	175.4	176.0	176.2	1.60	1.51	1.37	-32.2	-50.4	-45.7	0.78		