

Voltage Controlled Oscillator

MOS-EDR6060

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	28.52	131.8	125.5	122.7	2.48	2.54	2.52	-20.4	-17.2	-41.0	-0.96	1	-71
0.5	28.88	138.9	132.7	129.9	2.25	2.21	2.18	-22.1	-20.4	-42.3	-0.95	10	-98
0.8	29.61	146.1	140.1	137.4	2.07	1.93	1.88	-23.8	-23.0	-43.6	-0.96	100	-118
1.0	30.30	153.5	147.7	145.0	1.88	1.71	1.64	-24.6	-25.7	-44.4	-1.00	1000	-138
1.3	30.96	161.0	155.5	152.7	1.71	1.59	1.47	-24.5	-27.8	-45.4	-1.05		
1.5	31.32	168.5	163.3	160.6	1.57	1.49	1.36	-24.8	-29.9	-47.2	-1.06		
1.8	31.49	176.0	171.2	168.6	1.47	1.39	1.24	-26.0	-31.8	-48.1	-1.02		
2.0	31.17	183.4	178.9	176.6	1.41	1.29	1.10	-28.0	-33.4	-49.4	-0.95		
2.3	30.75	190.6	186.6	184.4	1.39	1.21	1.00	-29.8	-35.5	-50.6	-0.89		
2.5	29.79	197.9	194.1	192.0	1.39	1.19	0.94	-31.7	-36.6	-52.3	-0.86		
2.8	28.41	204.9	201.2	199.3	1.46	1.21	0.92	-33.9	-38.3	-53.0	-0.85		
3.0	27.31	211.3	208.0	206.3	1.56	1.24	0.93	-35.8	-39.4	-53.5	-0.85		
3.3	25.89	217.4	214.5	212.8	1.65	1.30	0.98	-37.7	-40.9	-55.2	-0.87		
3.5	23.76	223.1	220.4	218.8	1.75	1.39	1.05	-39.2	-42.0	-55.0	-0.91		
3.8	21.06	228.4	225.7	224.2	1.86	1.50	1.14	-40.3	-42.7	-56.3	-0.97		
4.0	18.17	232.8	230.2	228.9	1.99	1.61	1.23	-41.3	-43.5	-56.6	-1.00		
4.3	15.34	236.5	234.1	233.0	2.11	1.71	1.32	-42.3	-44.1	-56.9	-0.98		
4.5	12.61	239.3	237.2	236.3	2.22	1.79	1.39	-43.2	-44.5	-57.3	-0.90		
4.8	10.07	241.5	239.7	239.0	2.31	1.87	1.46	-44.2	-44.9	-57.7	-0.79		
5.0	7.79	243.1	241.7	241.1	2.37	1.92	1.52	-44.6	-45.7	-56.7	-0.65		
5.3	6.02	244.4	243.2	242.7	2.42	1.97	1.57	-45.0	-45.7	-56.7	-0.54		
5.5	4.67	245.3	244.4	244.0	2.46	2.01	1.61	-45.5	-46.2	-57.9	-0.44		
5.8	3.65	246.0	245.3	245.0	2.49	2.04	1.64	-45.7	-46.4	-57.7	-0.37		
6.0	2.92	246.6	246.0	245.8	2.51	2.06	1.66	-45.5	-46.6	-58.0	-0.32		
6.3	2.38	247.1	246.6	246.4	2.53	2.09	1.68	-46.0	-46.5	-58.4	-0.28		
6.5	2.00	247.5	247.1	247.0	2.54	2.10	1.70	-45.9	-46.6	-57.4	-0.25		
6.8	1.70	247.8	247.5	247.4	2.56	2.12	1.72	-46.1	-46.6	-58.1	-0.23		
7.0	1.49	248.1	247.9	247.8	2.57	2.13	1.73	-46.2	-46.6	-57.9	-0.22		