

Voltage Controlled Oscillator

MOS-EDR5455/1

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	2.40	41.2	40.7	40.5	0.18	0.37	0.81	-13.6	-36.7	-50.3	-0.10	1	-95
0.5	2.54	41.9	41.3	41.2	0.36	0.65	1.05	-14.7	-38.2	-49.6	-0.32	10	-116
0.8	2.43	42.4	41.9	41.8	0.51	0.83	1.21	-15.6	-38.8	-50.2	-0.28	100	-137
1.0	2.01	42.9	42.4	42.3	0.63	0.99	1.35	-16.2	-39.2	-50.6	-0.22	1000	-154
1.3	1.73	43.3	42.9	42.7	0.75	1.13	1.46	-16.8	-39.6	-51.0	-0.20		
1.5	1.54	43.7	43.2	43.1	0.85	1.25	1.57	-17.3	-39.9	-51.4	-0.18		
1.8	1.39	44.1	43.6	43.5	0.94	1.36	1.67	-17.7	-40.2	-51.6	-0.16		
2.0	1.28	44.4	43.9	43.8	1.03	1.47	1.77	-18.2	-40.5	-52.0	-0.16		
2.3	1.18	44.7	44.2	44.1	1.12	1.57	1.85	-18.6	-40.7	-52.3	-0.16		
2.5	1.11	44.9	44.5	44.4	1.21	1.66	1.93	-18.9	-40.9	-52.7	-0.16		
2.8	1.04	45.2	44.7	44.6	1.29	1.75	2.01	-19.2	-41.1	-52.8	-0.14		
3.0	0.98	45.4	45.0	44.9	1.36	1.83	2.08	-19.6	-41.3	-53.3	-0.14		
3.3	0.94	45.7	45.2	45.1	1.43	1.92	2.16	-19.9	-41.5	-53.6	-0.14		
3.5	0.90	45.9	45.4	45.4	1.51	2.00	2.23	-20.2	-41.6	-53.8	-0.12		
3.8	0.86	46.1	45.7	45.6	1.58	2.07	2.29	-20.4	-41.8	-54.0	-0.14		
4.0	0.84	46.3	45.9	45.8	1.65	2.15	2.35	-20.7	-41.9	-54.4	-0.12		
4.3	0.81	46.5	46.1	46.0	1.71	2.22	2.41	-21.0	-42.1	-54.5	-0.12		
4.5	0.78	46.7	46.3	46.2	1.78	2.30	2.48	-21.2	-42.3	-54.9	-0.12		
4.8	0.77	46.9	46.5	46.4	1.84	2.37	2.54	-21.5	-42.4	-55.1	-0.12		
5.0	0.74	47.1	46.7	46.6	1.90	2.44	2.60	-21.7	-42.6	-55.4	-0.12		
5.3	0.73	47.3	46.8	46.8	1.97	2.50	2.65	-21.9	-42.7	-55.6	-0.12		
5.5	0.72	47.5	47.0	46.9	2.02	2.57	2.71	-22.2	-42.8	-56.1	-0.12		
5.8	0.70	47.7	47.2	47.1	2.08	2.64	2.77	-22.4	-42.9	-56.4	-0.12		
6.0	0.69	47.8	47.4	47.3	2.13	2.70	2.82	-22.6	-43.1	-56.6	-0.12		
6.3	0.67	48.0	47.5	47.5	2.19	2.77	2.87	-22.8	-43.2	-56.9	-0.12		
6.5	0.66	48.2	47.7	47.6	2.25	2.83	2.92	-23.0	-43.3	-57.4	-0.12		
6.8	0.65	48.3	47.9	47.8	2.30	2.89	2.98	-23.3	-43.4	-57.5	-0.12		
7.0	0.64	48.5	48.0	47.9	2.35	2.96	3.03	-23.4	-43.6	-58.1	-0.12		