

Voltage Controlled Oscillator

MOS-465+

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)
		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	F2	F3	F4			
0.00	35.7	392.5	387.8	384.2	1.5	2.0	2.1	-16.8	-19.7	-25.6	1.3	1	-85
0.25	31.8	400.9	396.7	393.7	1.3	1.8	2.0	-16.9	-17.9	-24.3	1.3	10	-110
0.50	28.0	408.5	404.7	401.9	1.1	1.6	1.9	-16.3	-17.5	-24.3	1.1	100	-130
0.75	25.6	415.3	411.7	409.1	0.9	1.5	1.7	-15.7	-17.7	-24.5	0.8	1000	-150
1.00	23.9	421.5	418.1	415.6	0.8	1.3	1.5	-15.3	-17.9	-24.9	0.7		
1.25	22.8	427.3	424.0	421.7	0.6	1.1	1.3	-15.0	-17.7	-25.0	0.5		
1.50	22.0	432.9	429.7	427.5	0.4	0.9	1.2	-14.6	-17.5	-25.1	0.4		
1.75	21.4	438.4	435.2	433.0	0.3	0.8	1.0	-14.2	-17.7	-25.1	0.3		
2.00	21.0	443.6	440.6	438.4	0.1	0.6	0.8	-13.8	-18.0	-25.2	0.3		
2.25	20.7	448.8	445.8	443.7	0.0	0.5	0.6	-13.5	-18.0	-25.7	0.2		
2.50	20.4	453.9	451.0	448.9	-0.2	0.3	0.5	-13.4	-18.0	-25.6	0.1		
2.75	20.3	459.0	456.1	454.1	-0.3	0.1	0.3	-13.3	-18.1	-25.2	0.1		
3.00	20.2	464.0	461.2	459.2	-0.4	0.0	0.2	-13.2	-18.3	-25.7	0.0		
3.25	20.1	469.0	466.2	464.3	-0.6	-0.2	0.0	-13.1	-18.5	-26.7	0.1		
3.50	20.1	473.9	471.3	469.3	-0.7	-0.3	-0.2	-12.8	-18.6	-26.8	0.1		
3.75	20.1	478.9	476.3	474.4	-0.9	-0.5	-0.3	-12.6	-19.0	-26.8	0.2		
4.00	20.1	483.9	481.3	479.5	-1.0	-0.7	-0.5	-12.4	-19.8	-27.8	0.3		
4.25	20.2	488.9	486.4	484.5	-1.2	-0.8	-0.7	-12.2	-20.2	-28.5	0.3		
4.50	20.2	493.9	491.4	489.6	-1.4	-1.0	-0.9	-12.2	-20.3	-28.4	0.4		
4.75	20.3	498.9	496.5	494.7	-1.5	-1.2	-1.1	-12.1	-20.3	-29.1	0.4		
5.00	20.3	504.0	501.5	499.8	-1.7	-1.4	-1.2	-12.0	-20.6	-30.6	0.5		
5.25	20.3	509.0	506.6	504.9	-1.9	-1.6	-1.4	-11.8	-21.3	-31.0	0.5		
5.50	20.3	514.0	511.7	510.0	-2.1	-1.8	-1.6	-11.7	-21.7	-31.4	0.6		
5.75	20.3	519.1	516.8	515.1	-2.2	-1.9	-1.8	-11.7	-21.9	-32.2	0.6		
6.00	20.3	524.1	521.9	520.3	-2.4	-2.1	-2.0	-11.5	-22.2	-33.8	0.6		
6.25	20.3	529.2	527.0	525.4	-2.6	-2.3	-2.2	-11.5	-22.7	-35.1	0.7		
6.50	20.3	534.3	532.0	530.5	-2.9	-2.5	-2.4	-11.3	-23.3	-36.7	0.7		
6.75	20.3	539.4	537.1	535.6	-3.1	-2.7	-2.6	-11.2	-23.8	-37.5	0.7		
7.00	20.3	544.5	542.2	540.7	-3.5	-2.9	-2.9	-11.1	-24.1	-39.8	0.6		

Notes

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