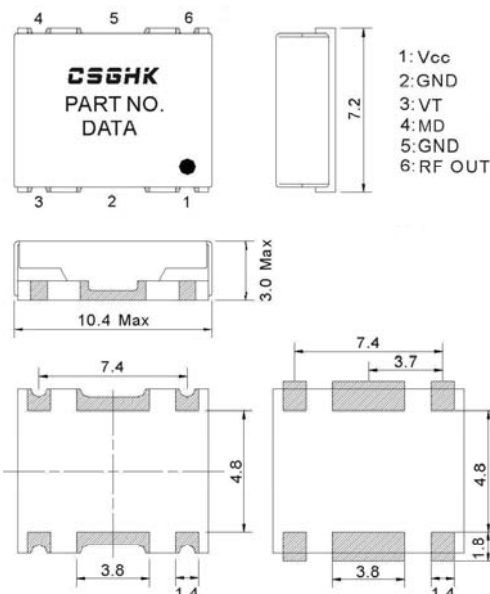


SURFACE MOUNT MODEL

VOLTAGE CONTROLLED OSCILLATOR

Frequency **350-370MHz**

VP360T



FEATURES

- ▶ Miniature Size
- ▶ Surface Mount Package
- ▶ Low Phase Noise Performance
- ▶ Electrically Shielded
- ▶ Highly Linear Tuning

Electrical Specifications, T_A = +25℃, V_{CC} = +5.0V (unless otherwise stated)

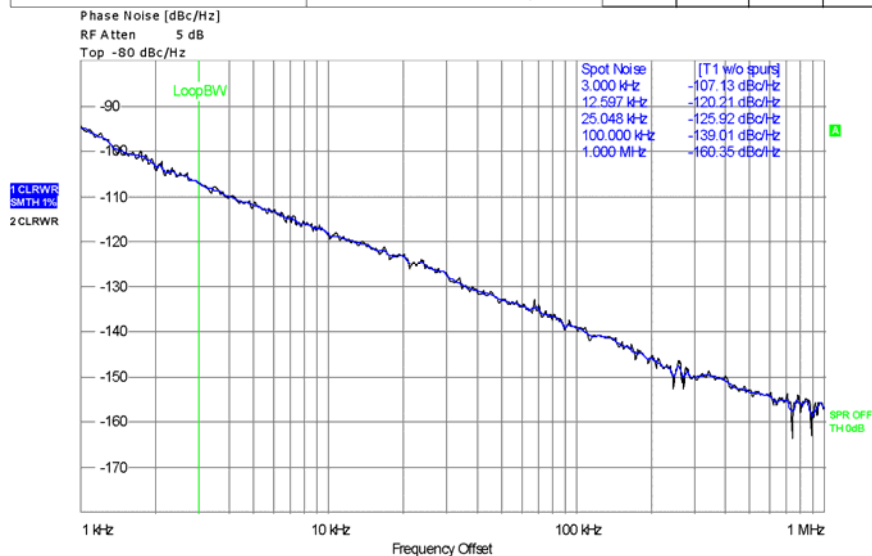
Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs		350		370	MHz
Tuning Voltage (V)		0.5		4.5	V
RF Output Power	350-370MHz	-3.0		3.0	dBm
Supply Voltage (V _{CC})		4.75	5.0	5.25	V
Supply Current (I _{CC})			14	17	mA
Phase Noise :					
	@12.5kHz Offset:		-119	-116	dBc/Hz
	@100kHz Offset:		-137	-114	dBc/Hz
Average Tuning Sensitivity	350-370MHz		10.6		MHz/V
Modulation deviation	@Freq:1kHz Ampl:500mV			2.5	KHz
Harmonic Outputs			-10		dBc
Operating Temperature Range		-40		+85	℃
Tune Input Capacitance			100		PF
Output Impedance -			50		Ω

Comments

X Indicates parameter to be tested 100% in production

V TUNE	TUNING SENS. (MHz/V)	FREQUENCY(MHz)			POWER OUTPUT(dBm)			HARMONIC(dBc)		
		-40℃	+25℃	+85℃	-40℃	+25℃	+85℃	-40℃	+25℃	+85℃
0.5	11.7	340.8	338.5	336.8	1.8	1.6	1.2	-11.5	-10.8	-11.0
1.0	10.6	346.3	344.1	342.5	1.8	1.7	.3	-12.3	-12.0	-12.1
1.5	10.2	351.5	349.3	347.5	1.5	1.7	1.3	-12.6	-12.5	-12.9
2.0	9.9	356.5	354.1	352.5	1.3	1.6	1.1	-12.5	-12.6	-13.0
2.5	9.9	361.8	359.3	357.8	0.9	1.4	0.8	-11.9	-12.3	-12.8
3.0	10.7	367.0	364.5	363.0	0.5	1.0	0.5	-11.6	-11.9	-12.4
3.5	11.2	372.5	370.0	368.5	0.0	0.5	0.1	-11.7	-11.8	-12.1
4.0	12.3	378.3	375.8	374.3	-0.5	0.0	-0.3	-12.8	-12.4	-12.7
4.5	13.0	384.5	382.3	380.5	-1.0	-0.6	-0.7	-13.1	-13.0	-13.0

R&S FSUP Signal Source Analyzer				LOCKED			
Settings		Residual Noise [T1 w/o spurs]		Phase Detector +0 dB			
Signal Frequency:	360.087673 MHz	Int PHN (1.0 k .. 1.0 M)	-66.7 dBc				
Signal Level:	1.05 dBm	Residual PM	37.513 m°				
Cross Corr Mode	Harmonic 1	Residual FM	15.62 Hz				
Internal Ref Tuned	Internal Phase Det	RMS Jitter	0.2894 ps				



Measurement Aborted

Date: 26.SEP.2012 08:36:37