

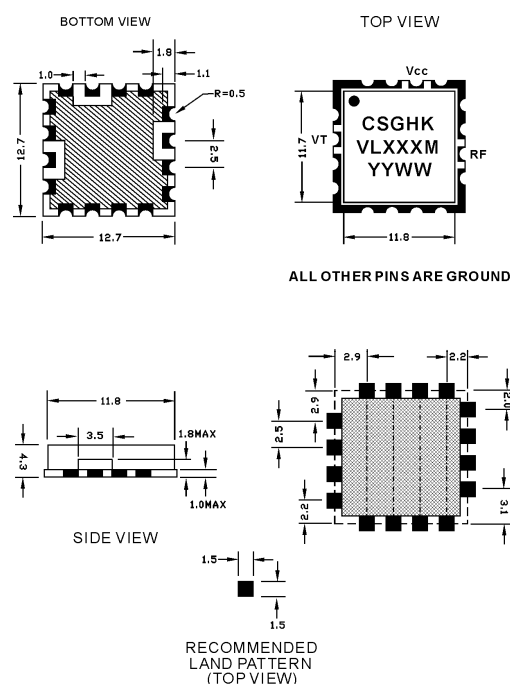
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 1090-1375MHz

VL1375M

FEATURES:

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



Electrical Specifications, $T_A = +25^{\circ}\text{C}$, $V_{CC} = +5.0\text{V}$ (unless otherwise stated)

Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs		1090		1375	MHz
Tuning Voltage (V)		1.0		13.0	V
RF Output Power	1090-1375MHz	4.0		8.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			23	26	mA
Phase Noise :					
	@10kHz Offset:		-108	-105	dBc/Hz
	@100kHz Offset:		-128	-125	dBc/Hz
Average Tuning Sensitivity	1090-1375MHz		31.8		MHz/V
Harmonic Outputs			-15		dBc
OperatingTemperature Range		-55		+85	$^{\circ}\text{C}$
Tune Input Capacitance			33		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

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[illegible]