

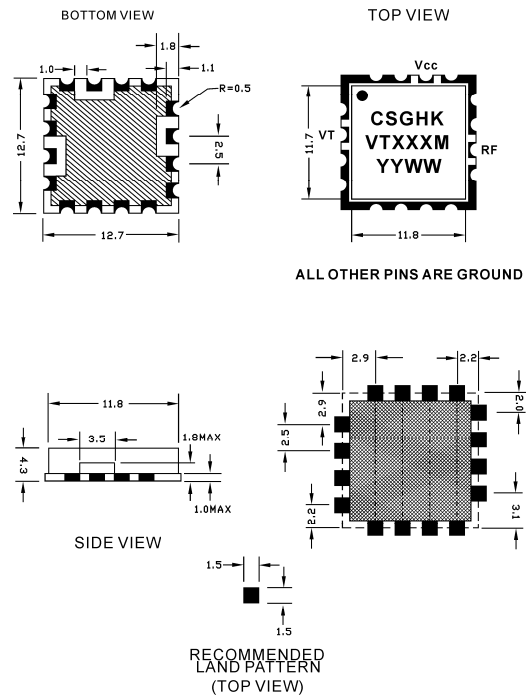
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 500-1000MHz

VL1000M

FEATURES:

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



Electrical Specifications, $T_A = +25^{\circ}\text{C}$, $V_{CC} = +12\text{V}$ (unless otherwise stated)

Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs		500		1000	MHz
Tuning Voltage (V)		2.5		14.5	V
RF Output Power	500-1000MHz	+7.0		+10.0	dBm
Supply Voltage (Vcc)		11.75	12	12.25	V
Supply Current (Icc)			17	23	mA
Phase Noise :					
	@10kHz Offset:		-100	-95	dBc/Hz
	@100kHz Offset:		-121	-117	dBc/Hz
Average Tuning Sensitivity	500-1000MHz		42		MHz/V
Harmonic Outputs			-10		dBc
OperatingTemperature Range		-55		+85	$^{\circ}\text{C}$
Tune Input Capacitance			47		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

Frequency 500-1000MHz

VL1000M

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