

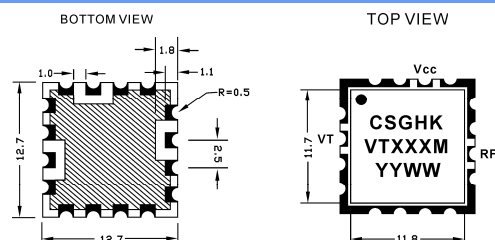
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 800-1600MHz

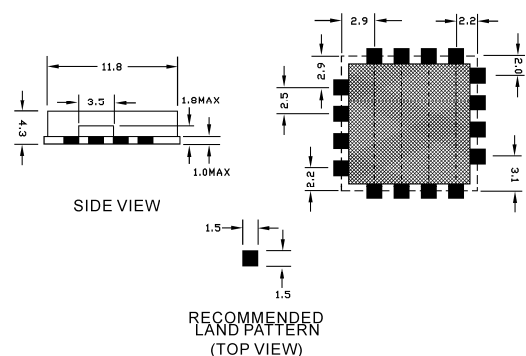
VL1600M

FEATURES:

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



ALL OTHER PINS ARE GROUND



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		800		1600	MHz
Tuning Voltage (V)		1.0		20.0	V
RF Output Power	800-1600MHz	7.0		10.0	dBm
Supply Voltage (Vcc)		4.75	5.0	5.25	V
Supply Current (Icc)			20	25	mA
Phase Noise :					
	@10kHz Offset:		-102	-95	dBc/Hz
	@100kHz Offset:		-123	-117	dBc/Hz
Average Tuning Sensitivity	800-1600MHz		60.0		MHz/V
Harmonic Outputs			-10		dBc
OperatingTemperature Range		-55		+85	$^{\circ}\text{C}$
Tune Input Capacitance			27		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				