

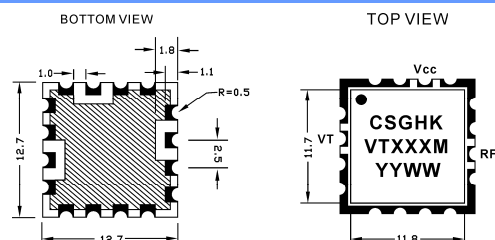
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 960-1442MHz

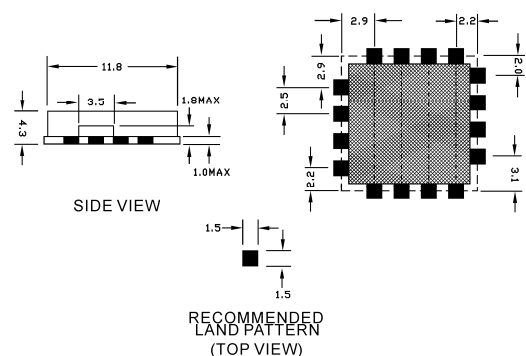
VL1442M

FEATURES:

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



ALL OTHER PINS ARE GROUND



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

Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs		960		1442	MHz
Tuning Voltage (V)		2.5		14.5	V
RF Output Power	960-1442MHz	+7.0		+10.0	dBm
Supply Voltage (Vcc)		11.75	12	12.25	V
Supply Current (Icc)			21	23	mA
Phase Noise :					
	@10kHz Offset:		-102	-98	dBc/Hz
	@100kHz Offset:		-123	-119	dBc/Hz
Average Tuning Sensitivity	960-1442MHz		25		MHz/V
Harmonic Outputs			-15		dBc
OperatingTemperature Range		-40		+85	$^{\circ}\text{C}$
Tune Input Capacitance			27		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

Frequency 960-1442MHz

VL1442M

[illegible]