

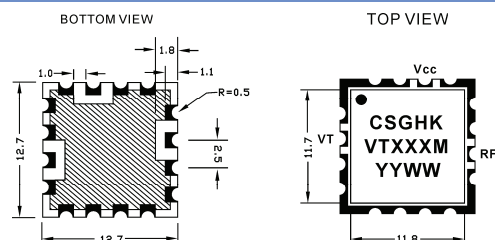
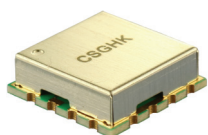
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 140-240MHz

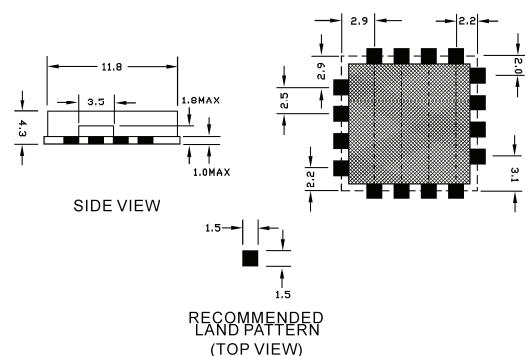
VT190M

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		140		240	MHz
Tuning Voltage (V)		1.0		8.0	V
RF Output Power	140-240 MHz	-2.0		+2.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			13	15	mA
Phase Noise :					
	@10kHz Offset:		-112	-108	dBc/Hz
	@100kHz Offset:		-133	-129	dBc/Hz
Average Tuning Sensitivity	140-240 MHz		16.6		MHz/V
Harmonic Outputs			-17		dBc
OperatingTemperature Range		-40		+85	$^{\circ}\text{C}$
Tune Input Capacitance			330		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

Frequency 140-240MHz

VT190M

[illegible]