

SURFACE MOUNT MODEL

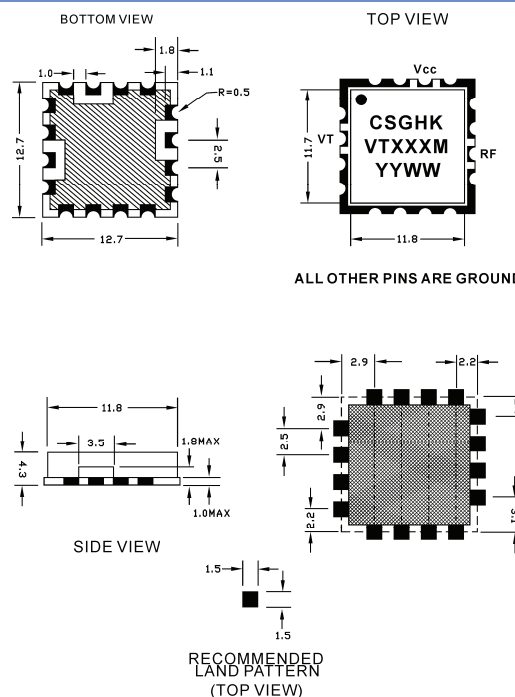
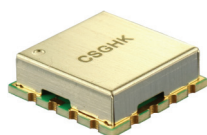
VOLTAGE CONTROLLED OSCILLATOR

Frequency

VT1453M

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			1452.66		MHz
Tuning Voltage (V)		0.5		4.5	V
RF Output Power		6.0		10.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			23	27	mA
Phase Noise :					
	@10kHz Offset:		-111	-108	dBc/Hz
	@100kHz Offset:		-132	-129	dBc/Hz
Average Tuning Sensitivity			11.4		MHz/V
Harmonic Outputs			-15		dBc
OperatingTemperature Range		-55		+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

VT1453M

[illegible]