

SURFACE MOUNT MODEL

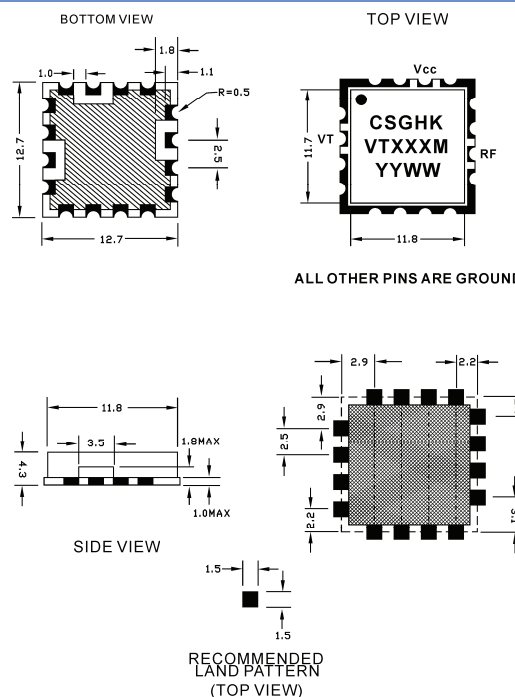
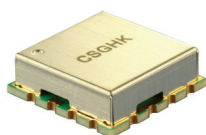
VOLTAGE CONTROLLED OSCILLATOR

Frequency

VT1933M

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			1933		MHz
Tuning Voltage (V)		0.5		4.5	V
RF Output Power		-3.0		3.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			20	25	mA
Phase Noise :					
	@10kHz Offset:		-111	-108	dBc/Hz
	@100kHz Offset:		-131	-128	dBc/Hz
Average Tuning Sensitivity			9.4		MHz/V
Harmonic Outputs			-15		dBc
OperatingTemperature Range		-40		+85	$^\circ\text{C}$
Tune Input Capacitance			18		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

Frequency

VT1933M

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