

SURFACE MOUNT MODEL

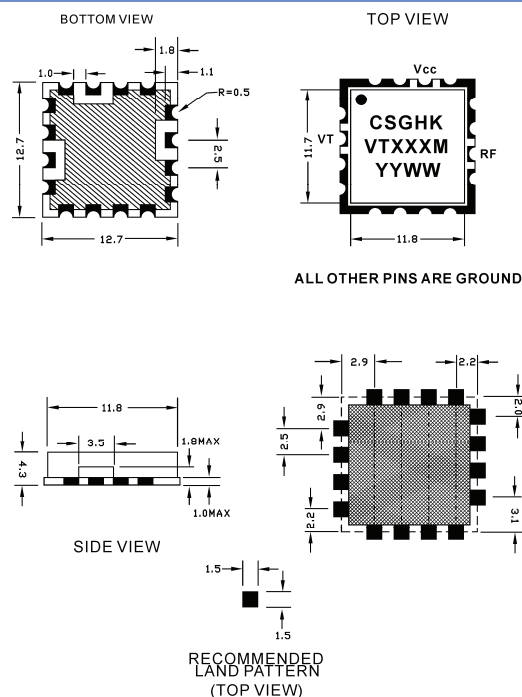
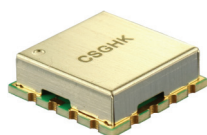
VOLTAGE CONTROLLED OSCILLATOR

Frequency 1720-1900MHz

VT1810A

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		1720		1900	MHz
Tuning Voltage (V)		0.5		4.5	V
RF Output Power	1720-1900MHz	0.0		4.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			—		mA
Phase Noise :					
	@10kHz Offset:		-100	-96	dBc/Hz
	@100kHz Offset:		-120	-117	dBc/Hz
Average Tuning Sensitivity	1720-1900MHz		—		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)				