

SURFACE MOUNT MODEL

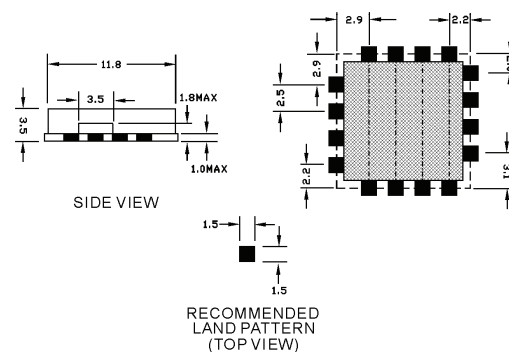
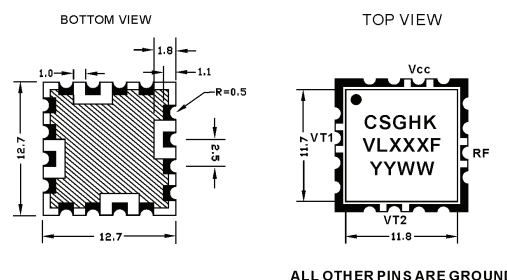
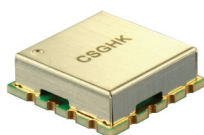
VOLTAGE CONTROLLED OSCILLATOR

Frequency **1100-1612MHz**

VL1612FA

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		1100		1612	MHz
Tuning Voltage :					
	VT1:	1.6		2.6	V
	VT2:	-0.5		-11.0	V
RF Output Power	1100-1612MHz	5.0		9.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			20	23	mA
Phase Noise :					
	@10kHz Offset:		-104	-100	dBc/Hz
	@100kHz Offset:		-126	-123	dBc/Hz
Average Tuning Sensitivity	1100-1612MHz		54.3		MHz/V
Harmonic Outputs			-10		dBc
Operating Temperature Range		-55		+85	$^{\circ}\text{C}$
Tune Input Capacitance			22		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X3.5mm)				



SMD Voltage Controlled Oscillator

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VL1612FA[illegible]



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[illegible]