

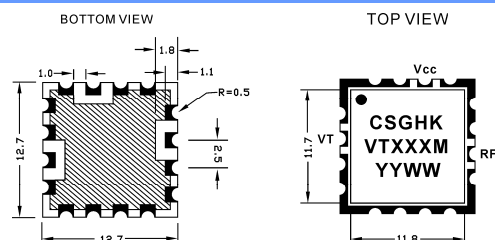
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 50-110MHz

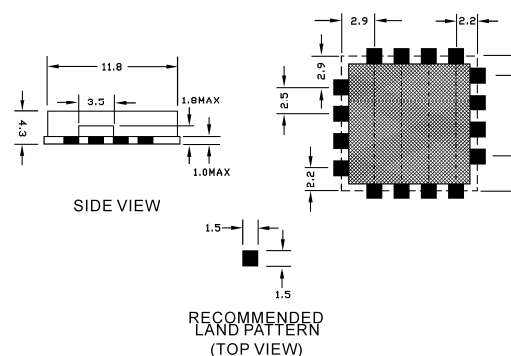
VL110M

FEATURES:

- ▶ Miniature Size
- ▶ Surface Mount Package
- ▶ Low Phase Noise Performance
- ▶ Electrically Shielded
- ▶ Highly Linear Tuning



ALL OTHER PINS ARE GROUND



Electrical Specifications, $T_A = +25^{\circ}\text{C}$, $V_{CC} = +8.0\text{V}$ (unless otherwise stated)

Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs		50		110	MHz
Tuning Voltage (V)		1.2		11.0	V
RF Output Power	50-110MHz	+2.0		+6.0	dBm
Supply Voltage (Vcc)		7.75	8	8.25	V
Supply Current (Icc)			10	13	mA
Phase Noise :					
	@10kHz Offset:		-107	-103	dBc/Hz
	@100kHz Offset:		-127	-123	dBc/Hz
Average Tuning Sensitivity	50-110MHz		6.8		MHz/V
Harmonic Outputs			-20		dBc
OperatingTemperature Range		-55		+85	$^{\circ}\text{C}$
Tune Input Capacitance			1000		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

Frequency 50-110MHz

VL110M

[illegible]