

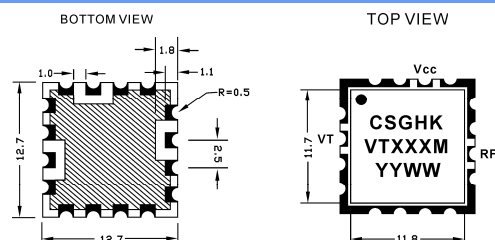
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 72-102MHz

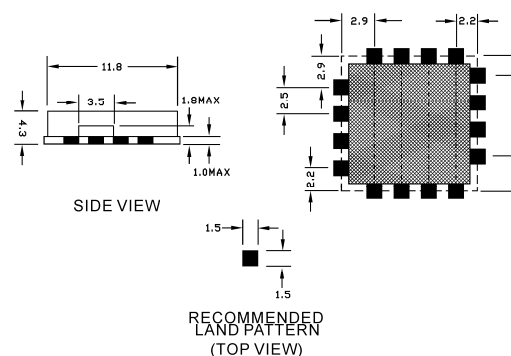
VL102M

FEATURES:

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



ALL OTHER PINS ARE GROUND



Electrical Specifications, $T_A = +25^{\circ}\text{C}$, $V_{CC} = +5.0\text{V}$ (unless otherwise stated)

Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs		72		102	MHz
Tuning Voltage (V)		3.0		8.0	V
RF Output Power	72-102MHz	+5.0		+9.0	dBm
Supply Voltage (Vcc)		4.75	5	5.25	V
Supply Current (Icc)			17	20	mA
Phase Noise :					
	@10kHz Offset:		-106	-103	dBc/Hz
	@100kHz Offset:		-126	-123	dBc/Hz
Average Tuning Sensitivity	72-102MHz		7.8		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 72-102MHz

VT102M

[illegible]