

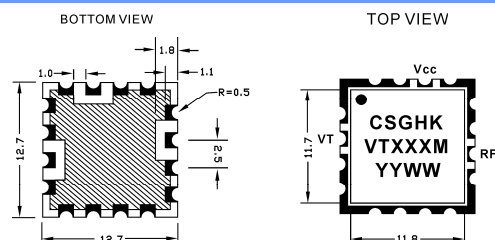
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency

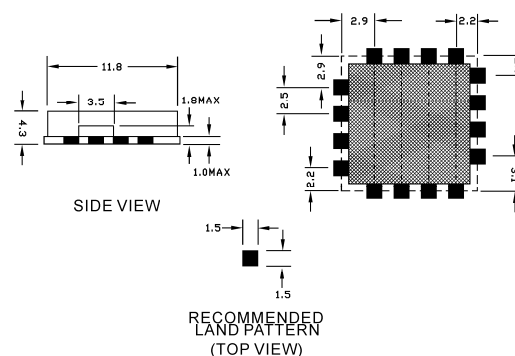
VT909M

FEATURES:

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



ALL OTHER PINS ARE GROUND



Electrical Specifications, $T_A = +25^{\circ}\text{C}$, $V_{CC} = +12.0\text{V}$ (unless otherwise stated)

Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs			909		MHz
Tuning Voltage (V)		3.0		5.0	V
RF Output Power		7.0		9.0	dBm
Supply Voltage (V_{CC})		11.75	12	12.25	V
Supply Current (I_{CC})			20	25	mA
Phase Noise :					
	@10kHz Offset:		-105	102	dBc/Hz
	@100kHz Offset:		-125	122	dBc/Hz
Average Tuning Sensitivity			5		MHz/V
Harmonic Outputs			-10		dBc
OperatingTemperature Range		-55		+85	$^{\circ}\text{C}$
Tune Input Capacitance			47		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

Frequency

VT909M

[illegible]