

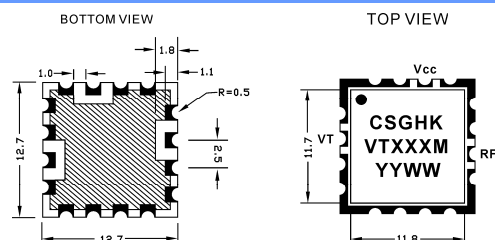
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 975-1005MHz

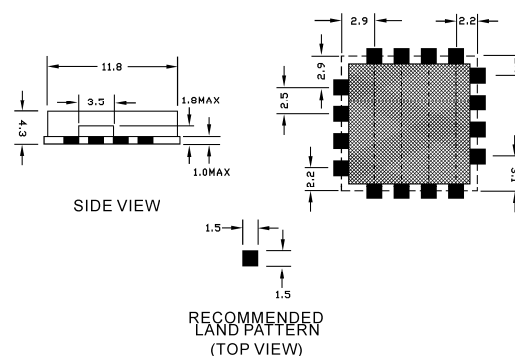
VT1005M

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		975		1005	MHz
Tuning Voltage (V)		0.5		4.5	V
RF Output Power	975-1005MHz	-3.0		3.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			15	20	mA
Phase Noise :					
	@10kHz Offset:		-107	-102	dBc/Hz
	@100kHz Offset:		-127	-122	dBc/Hz
Average Tuning Sensitivity	975-1005MHz		14.8		MHz/V
Harmonic Outputs			-15		dBc
OperatingTemperature Range		-30		+75	$^{\circ}\text{C}$
Tune Input Capacitance			33		PF
Output Impedance -		975		1005	Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

Frequency 975-1005MHz

VT1005M

[illegible]