

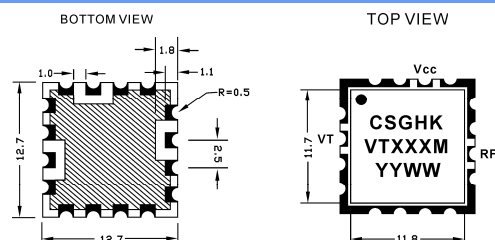
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 72-102MHz

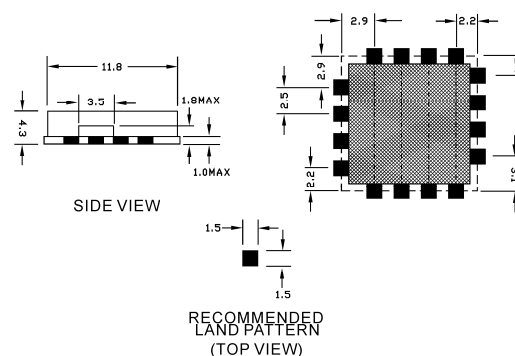
VT102A

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		72		102	MHz
Tuning Voltage (V)		3.0		10.0	V
RF Output Power	72-102MHz	7.0		10.0	dBm
Supply Voltage (Vcc)		7.75	8	8.25	V
Supply Current (Icc)			19	23	mA
Phase Noise :					
	@10kHz Offset:		-113	-109	dBc/Hz
	@100kHz Offset:		-134	-129	dBc/Hz
Average Tuning Sensitivity	72-102MHz		5.8		MHz/V
Harmonic Outputs			-15		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**

VT102A

[illegible]