

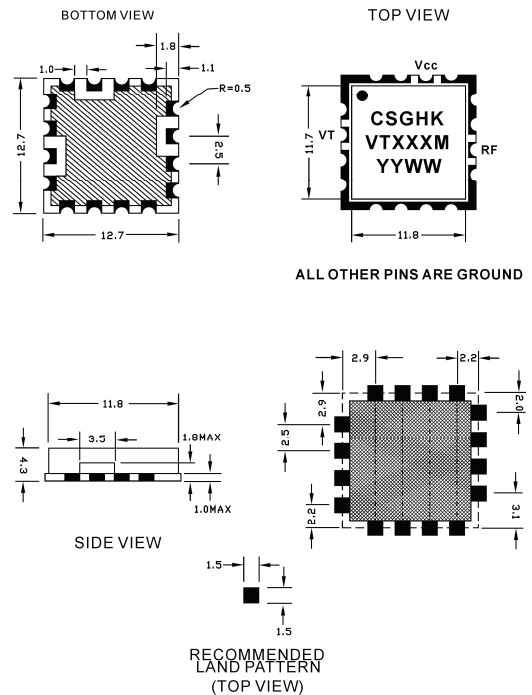
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 274-281MHz

VT281M

FEATURES:

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



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		274		281	MHz
Tuning Voltage (V)		2.0		4.0	V
RF Output Power	274-281 MHz	-2.0		+2.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			12	15	mA
Phase Noise :					
	@10kHz Offset:		-112	-109	dBc/Hz
	@100kHz Offset:		-135	-129	dBc/Hz
Average Tuning Sensitivity	274-281 MHz		9.4		MHz/V
Harmonic Outputs			-18		dBc
OperatingTemperature Range		-55		+85	$^\circ\text{C}$
Tune Input Capacitance			100		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

Frequency 274-281MHz

VT281M

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