

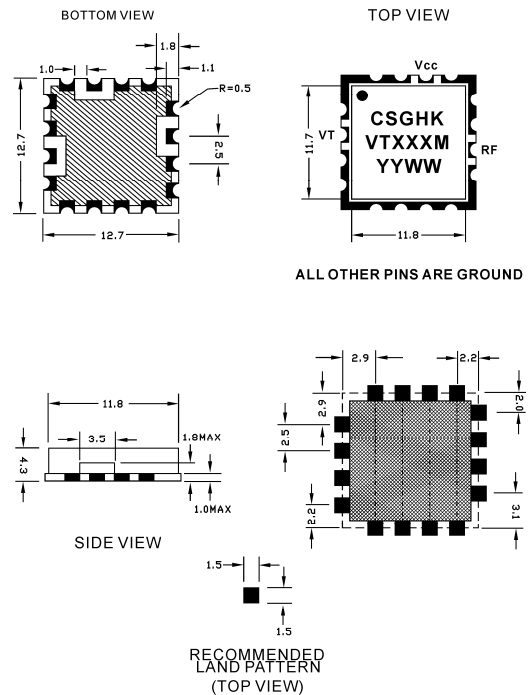
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 530-590MHz

VT590M

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		530		590	MHz
Tuning Voltage (V)		0.5		4.5	V
RF Output Power	530-590 MHz	0.0		4.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			19	22	mA
Phase Noise :					
	@10kHz Offset:		-110	-106	dBc/Hz
	@100kHz Offset:		-131	-128	dBc/Hz
Average Tuning Sensitivity	530-590 MHz		24.4		MHz/V
Harmonic Outputs			-15		dBc
OperatingTemperature Range		-40		+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 530-590MHz

VT590M

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