

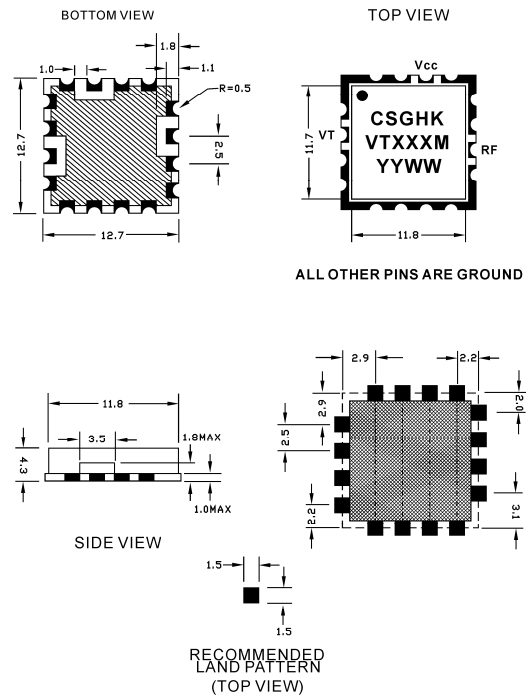
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 835-875MHz

VT875M

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 Ranges		835		875	MHz
Tuning Voltage (V)		0.5		4.5	V
RF Output Power	835-875MHz	-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	835-875MHz		17.1		MHz/V
Harmonic Outputs			-15		dBc
Operating Temperature Range		-30		+75	$^\circ\text{C}$
Tune Input Capacitance			47		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

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