

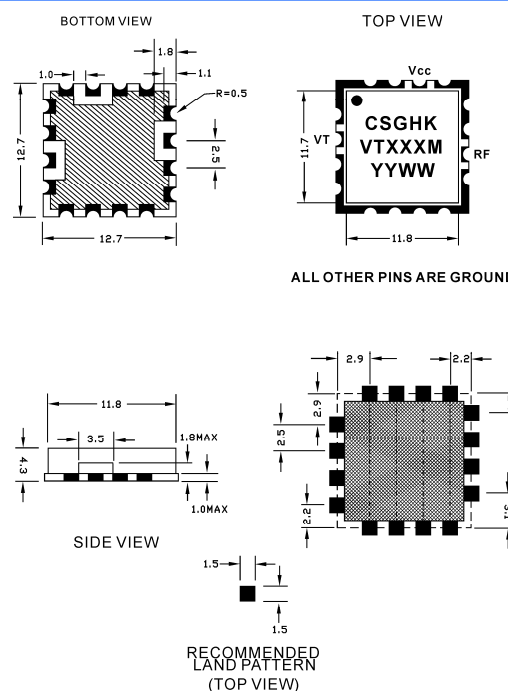
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 770-820MHz

VT820A

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		770		820	MHz
Tuning Voltage (V)		0.5		4.5	V
RF Output Power	770-820MHz	0.0		4.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			12	15	mA
Phase Noise :					
	@10kHz Offset:		-112	-107	dBc/Hz
	@100kHz Offset:		-133	-127	dBc/Hz
Average Tuning Sensitivity	770-820MHz		19.1		MHz/V
Harmonic Outputs			-23	-20	dBc
OperatingTemperature Range		-40		+85	$^\circ\text{C}$
Tune Input Capacitance			33		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

Frequency **770-820MHz**

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[illegible]