

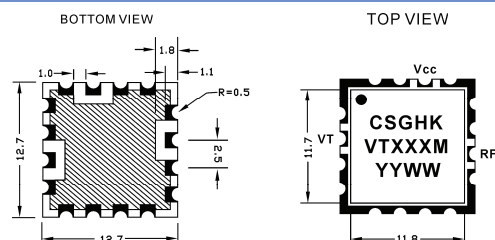
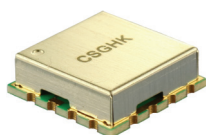
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 845-890MHz

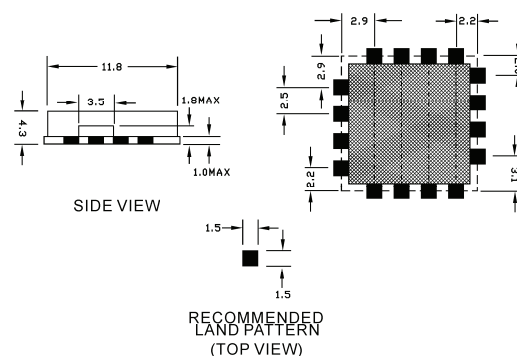
VT890N

FEATURES:

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



ALL OTHER PINS ARE GROUND



Electrical Specifications, $T_A = +25^{\circ}\text{C}$, $V_{CC} = +5.0\text{V}$ (unless otherwise stated)

Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs		845		890	MHz
Tuning Voltage (V)		0.5		4.5	V
RF Output Power	845-890MHz	5.0		9.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			24	27	mA
Phase Noise :					
	@10kHz Offset:		-117	-114	dBc/Hz
	@100kHz Offset:		-137	-134	dBc/Hz
Average Tuning Sensitivity	845-890MHz		16.8		MHz/V
Harmonic Outputs			-15		dBc
OperatingTemperature Range		-55		+85	$^{\circ}\text{C}$
Tune Input Capacitance			47		PF
Output Impedance -			50		Ω
Package Type	SK605(12.7X12.7X4.3mm)				



SMD Voltage Controlled Oscillator

Frequency 845-890MHz

VT890N

[illegible]