

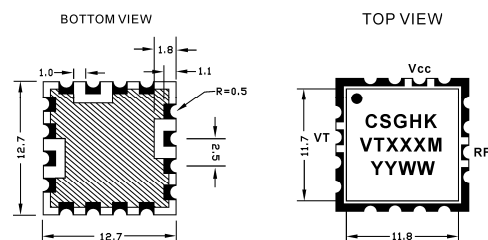
SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 985-1075MHz

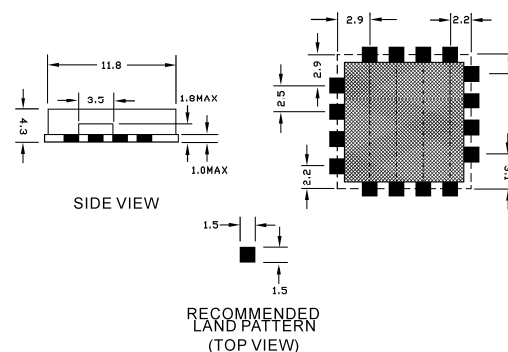
VT1075A

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		985		1075	MHz
Tuning Voltage (V)		0.5		4.5	V
RF Output Power	985-1075MHz	0.0		4.0	dBm
Supply Voltage (Vcc)		4.75		5.25	V
Supply Current (Icc)			20	23	mA
Phase Noise :					
	@10kHz Offset:		-108	-104	dBc/Hz
	@100kHz Offset:		-128	-124	dBc/Hz
Average Tuning Sensitivity	985-1075MHz		29.6		MHz/V
Harmonic Outputs			-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 985-1075MHz

VT1075A[illegible]