

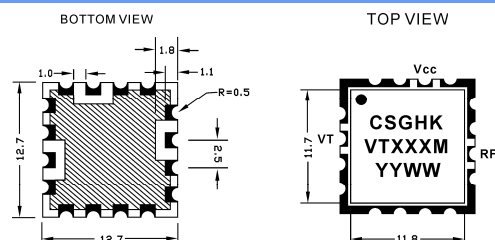
## SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 1000-1030MHz

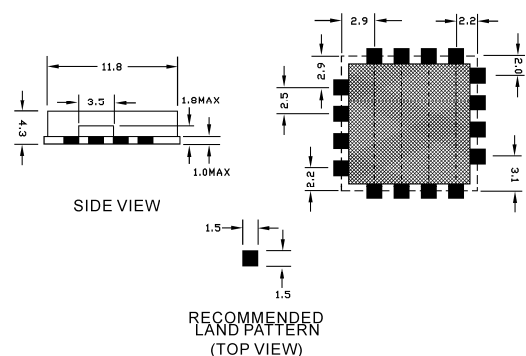
VT1030A

### 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            |                        | 1000 |      | 1030 | MHz                |
| Tuning Voltage (V)         |                        | 0.5  |      | 4.5  | V                  |
| RF Output Power            | 1000-1030MHz           | 1.0  |      | 4.0  | 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 | 1000-1030MHz           |      | 14.3 |      | MHz/V              |
| Harmonic Outputs           |                        |      | -15  |      | dBc                |
| OperatingTemperature Range |                        | -40  |      | +85  | $^{\circ}\text{C}$ |
| Tune Input Capacitance     |                        |      | 33   |      | PF                 |
| Output Impedance -         |                        |      | 50   |      | $\Omega$           |
| Package Type               | SK605(12.7X12.7X4.3mm) |      |      |      |                    |



## SMD Voltage Controlled Oscillator

**Frequency 1000-1030MHz**

# VT1030A

[illegible]