Dynamic Engineers Inc.
2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA
TEL: 1-281-870-8822 EMAIL:Sales@DynamicEng.com

**TCXO914K-80MHz-A-V**
80MHz SMD TCXO

## Features and Benefits

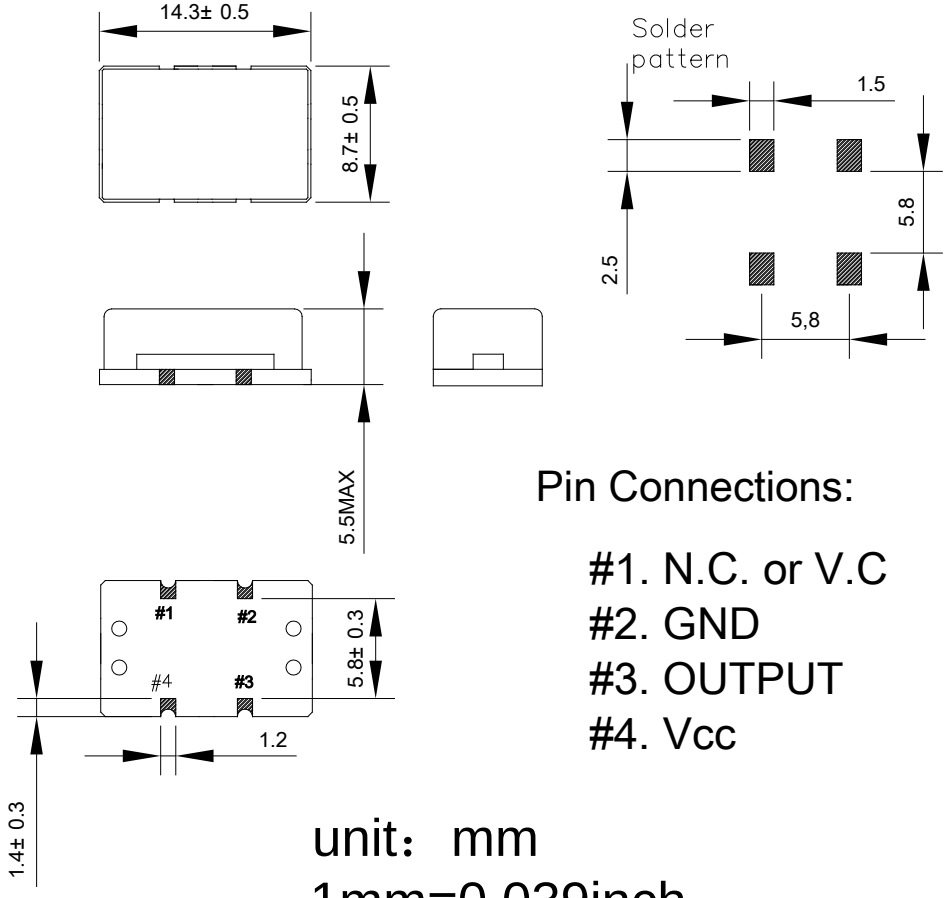
High accurate temperate compensation
HCMOS output signal
Low aging ±1.0ppm max. at first year
Operating temperature -40°C to +85°C

## Typical Applications

Mobile Radio
Communication equipments

## Mechanical Drawing & Pin Connections

**Drawing No:** **MD150099-1**




Pin Connections:

#1. N.C. or V.C
#2. GND
#3. OUTPUT
#4. Vcc

unit： mm
1mm=0.039inch

Dynamic Engineers Inc.
2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA
TEL: 1-281-870-8822 EMAIL:Sales@DynamicEng.com

**TCXO914K-80MHz-A-V**
80MHz SMD TCXO

## Specifications

| TCXO914K-70MHz-A Specification | Sym | Condition | Value | | | Unit | Note |
|---|---|---|---|---|---|---|---|
| | | | Min. | Typ. | Max. | | |
| Operational Frequency | $F_{nom}$ | | | 80 | | MHz | |
| **RF Output** | | | | | | | |
| Wave form | | | | HCMOS | | | |
| Output Load | | | | 15 | | pF | |
| Duty cycle | | | 45 | | 55 | % | |
| Rise/Fall time | | | | | 5 | ns | |
| **Power Supply** | | | | | | | |
| Voltage | $V_{cc}$ | | 3.135 | 3.3 | 3.465 | V | |
| Input Current | | | | | 30 | mA | |
| **Frequency Voltage** | | | | | | | |
| Control Voltage | | | 0.15 | 1.65 | 3.15 | V | |
| Frequency Deviation | | | +/-8 | | | ppm | |
| **Frequency Stability** | | | | | | | |
| Vs. Temperature | | From -40°C to +85°C, | | | +/-2.0 | ppm | |
| Tolerance | | @25°C, $V_{control}$=1.65V | | | +/-1.0 | ppm | |
| Vs. Supply Voltage | | 3.3V+/-5% | | | +/-0.2 | ppm | |
| Vs. Load | | 15pF+/-10% | | | +/-0.2 | ppm | |
| Aging first year | | | | | +/-1.0 | ppm | |
| **Phase Noise** | | | | | | | |
| Phase Noise | | @1KHz | | -140 | | dBc | |
| **Environmental Conditions** | | | | | | | |
| Operating Temperature | -40°C to +85°C, | | | | | | |
| Storage temperature range | -45°C to +90°C, | | | | | | |