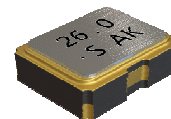


# CRYSTAL OSCILLATOR

## OSCA2



### Applications

- WiMAX、Bluetooth
- Automotive

### Features

- Small ceramic package / Dimensions (2.0\* 1.6 \*0.8 )
- Wide frequency range from 26 MHz to 80 MHz
- AEC-Q200 compliant products.

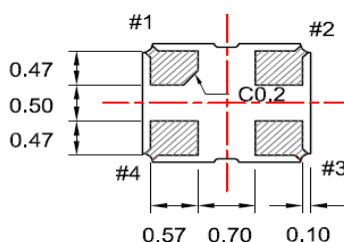
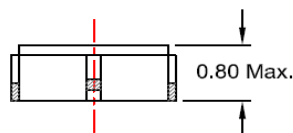
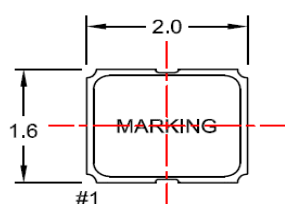
### Specifications



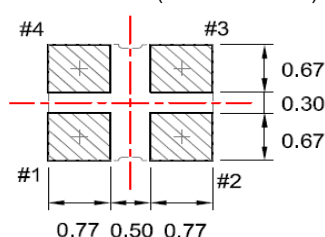
| Model                       | OSCA2                               |              |              |
|-----------------------------|-------------------------------------|--------------|--------------|
| Nominal frequency           | 26~80MHz                            |              |              |
| Storage temperature range   | -55 ~ +125 °C                       |              |              |
| Operating temperature range | -40 ~ +125 °C                       |              |              |
| Power supply voltage        | 1.8V DC±10%                         | 2.5V DC±10%  | 3.3V DC±10%  |
| Current consumption         | 2.5mA max@~20M                      | 5mA max@~20M | 6mA max@~20M |
|                             | 5mA max@~54M                        | 8mA max@~54M | 9mA max@~54M |
| Output level                | C-MOS                               |              |              |
| Load                        | 15 pF.                              |              |              |
| Output voltage level        | VOL: 10%Vcc max. / VOH: 90%Vcc min. |              |              |
| Rise & Fall time            | 7ns max.@10%Vcc ~ 90%Vcc            |              |              |
| Duty cycle                  | 40%~60% at 50%Vcc                   |              |              |
| Start-up time               | 5ms max.                            |              |              |
| Phase Jitter                | 1ps max.@12KHz to 20MHz             |              |              |

Package quantity : 3,000pcs max./Reel

### Outline and Dimensions [unit: mm]



Land Pattern(REFERENCE)



| Terminal | Connection       |
|----------|------------------|
| #1       | Tri-state or N.C |
| #2       | GND              |
| #3       | Output           |
| #4       | Vcc              |

| Tri-state Function |              |
|--------------------|--------------|
| Tri-state pin      | Output       |
| High or Floating   | Active       |
| Low                | Hi-Impedance |

