

## Features and Benefits

SMD 7mm x 5mm size

Less than  $\pm 50$ ppm high stability

Extended operating temperature over -40°C to +85°C

Less than 30mA max.

HCMOSOutput

## Typical Applications

## Clock reference

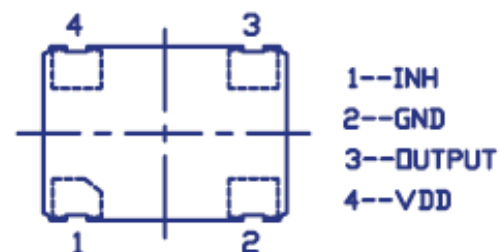
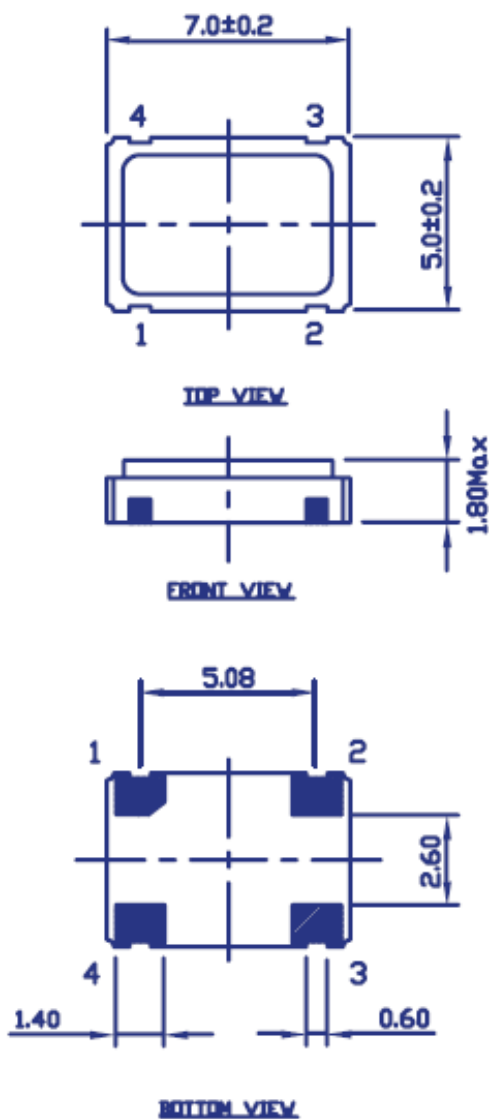
## Automobile

### Description

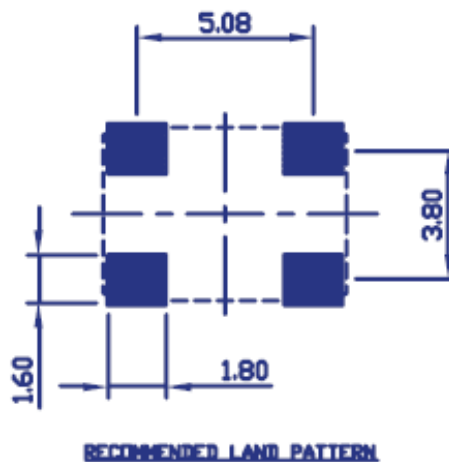
HCMOS clock oscillator in standard 5 x 7 mm SMD ceramic package for automotive applications.

## Mechanical Drawing & Pin Connections

**Drawing No:** MD160066-1



|        |             |                |
|--------|-------------|----------------|
| INH    | 'H' Or Open | 'L' (Standby)  |
| OUTPUT | Enable      | High Impedance |





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### Specifications

| Frequency                  | Value                              |
|----------------------------|------------------------------------|
| Nominal Frequency          | 16.00 MHz                          |
| Frequency Stability @ 25°C | ±50 ppm                            |
| Operating Temperature      | -40 to +85°C                       |
| Storage Temperature        | -55 to +125°C                      |
| Output Waveform            | HCMOS                              |
| Output Symmetry            | 40 ~ 60% (at 50% V <sub>DD</sub> ) |
| Rise / Fall Time           | 6ns Max                            |
| “High” Output Voltage      | 90% V <sub>DD</sub> Min            |
| “Low” Output Voltage       | 10% V <sub>DD</sub> Max            |
| Output Load                | 50 pF                              |
| Tri-State                  | Yes                                |
| Aging                      | 5 ppm / year Max                   |
| Supply Voltage             | 3.3 V ±10%                         |
| Current Consumption        | 30 mA max                          |