



Dynamic Engineers Inc.

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TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

LC+) \$5!& A <n!5

SMD 7 mm x 5 mm high stability XO

Features and Benefits

SMD 7mm x 5mm size
Less than ± 50 ppm high stability
Extended operating temperature over -40°C to $+85^{\circ}\text{C}$
Less than 30mA max.
HCMOS output

Typical Applications

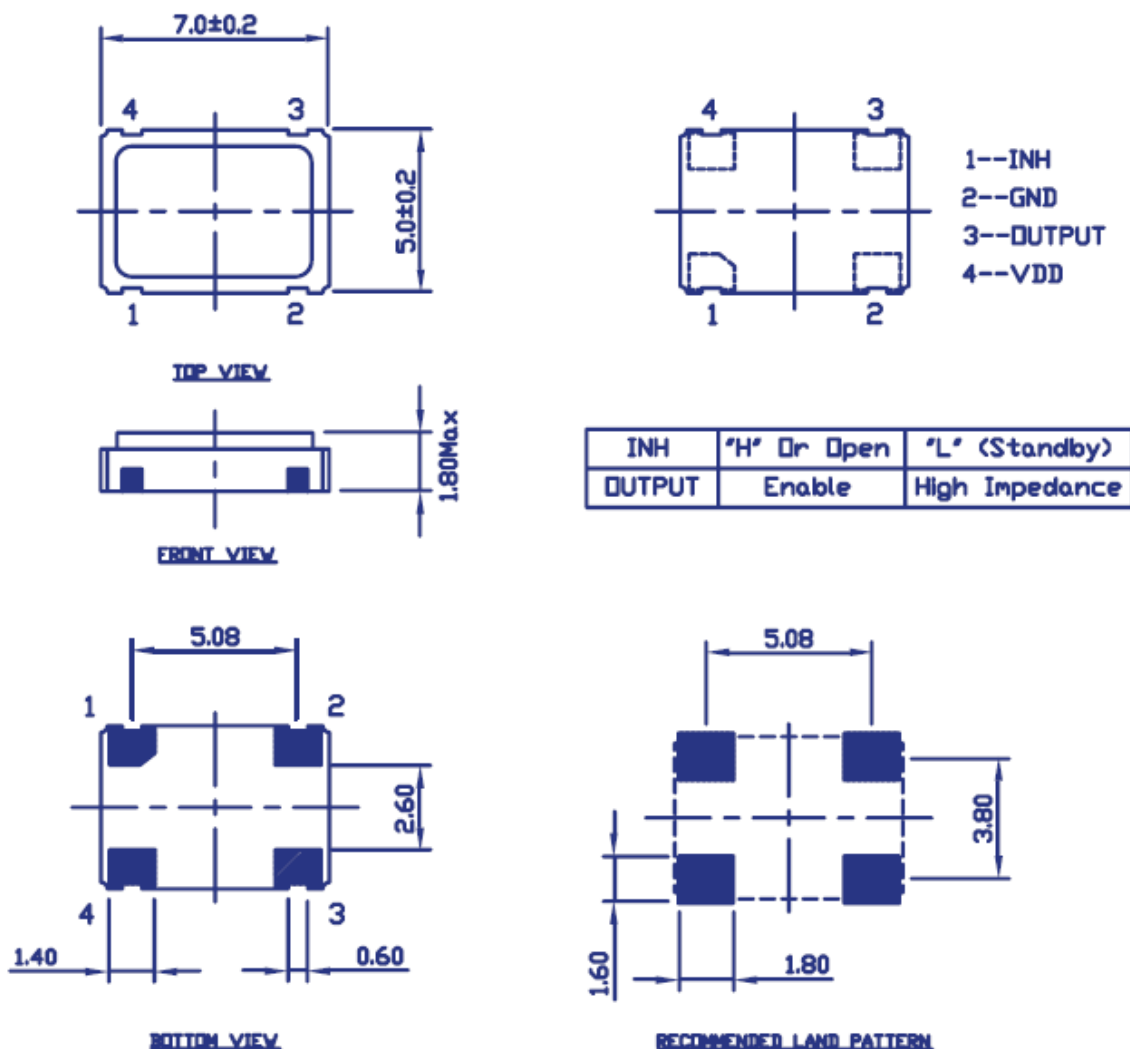
Clock reference
Automobile

Description

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

Mechanical Drawing & Pin Connections

Drawing No: MD160066-1





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Specifications

| Frequency | Value |
|----------------------------|------------------------------------|
| Nominal Frequency | 25.00 MHz |
| Frequency Stability @ 25°C | ±50 ppm |
| Operating Temperature | -40 to +85°C |
| Operable Temperature Range | -55 to +125°C |
| Output Waveform | HCMOS |
| Output Symmetry | 40 ~ 60% (at 50% V _{DD}) |
| Rise / Fall Time | 6ns Max |
| "High" Output Voltage | 90% V _{DD} Min |
| "Low" Output Voltage | 10% V _{DD} Max |
| Output Load | 50 pF |
| Tri-State | Yes |
| Aging | 5 ppm / year Max |
| Supply Voltage | 3.3 V ±10% |
| Current Consumption | 30 mA max |