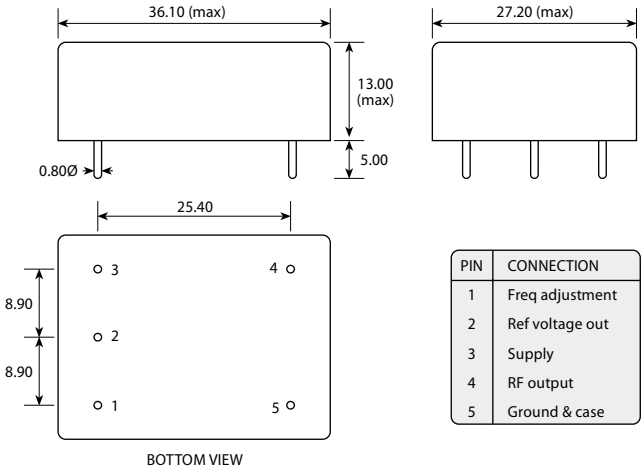
# 5V OCXO HCMOS Output Stratum 3e

# HCD332




| PIN | CONNECTION |
|---|---|
| 1 | Freq adjustment |
| 2 | Ref voltage out |
| 3 | Supply |
| 4 | RF output |
| 5 | Ground & case |

Scale 1:1

## Features

- **Stratum 3 & 3e compliant**
- **5V supply**
- **Low height compact package**
- **Standard European IEC CO-08 pin-out**
- **Cost effective**
- **Custom options available**

## Specifications

| Parameters | Product HCD332 | Option Codes |
|---|---|---|
| **Frequency range:** 5.0 ~ 50.0MHz (8.1920, 16.3840 & 19.440MHz std) | ■ | |
| **Frequency stability:** | | |
| ±1x10$^{-9}$ / day after 30 days | ■ | |
| ±1x10$^{-7}$ / year max | ■ | |
| ±1x10$^{-8}$ per 5% change in $V_{DD}$ | ■ | |
| **Temperature stability:** ±3x10$^{-8}$ over 0 to +70°C | ■ | |
| **Overall stability:** ±4.6x10$^{-6}$ max (20yrs, all causes, as per Stratum 3e) | ■ | |
| **Operating temperature range:** | | |
| 0 to +70°C | ■ | |
| Other options from -40°C | □ | specify |
| **Storage temperature range:** -40 to +90°C | ■ | |
| **Output waveform:** HCMOS / TTL compatible | ■ | |
| **Frequency adjustment:** ±9.2x10$^{-6}$ min, +0.5 to +3.9V (sufficient for 10 years ageing min) Stabilised +4.0V supply provided | ■ | |
| **Supply voltage ($V_{DD}$):** +5.0V (±0.25V) | ■ | |
| **Power consumption:** | | |
| 2.0W max at switch on | ■ | |
| 1.1W typ when stabilised at 25°C | ■ | |
| **Warm up:** ±5x10$^{-8}$ after 10mins at +25°C | ■ | |
| **Phase noise (@ 10.0MHz):** | | |
| < -100dBc/Hz @ 10Hz | ■ | |
| < -120dBc/Hz @ 100Hz | ■ | |
| < -135dBc/Hz @ 1kHz | ■ | |
| < -150dBc/Hz @ 10kHz | ■ | |
| < -150dBc/Hz @ 50kHz | ■ | |
| **Shock:** IEC 68-2-27 Test Ea 50G for 11ms | ■ | |
| **Vibration:** IEC 68-2-06 Test Fc 10-55Hz, 1.5mm. 55-500Hz, 10G | ■ | |

■ Standard. □ Optional - Please specify required code(s) when ordering

## Ordering Information

Product name + frequency
eg: **HCD332 16.3840MHz**
**HCD332 19.440MHz**
Option code X (eg HCD332/X) denotes a custom specification.

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