



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	Option Codes
	HCD332	
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.