



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