

PIN	CONNECTION
1	Ground
7	Ground
8	Output
14	Supply

Scale 1:1

## Features

- ▶ **Stratum 3 compliant**
- ▶ **Compact 14-pin DIL package (SMD optional)**
- ▶ **3.3V supply voltage**
- ▶ **HCMOS compatible output**
- ▶ **Very fast warmup**
- ▶ **Low power consumption**
- ▶ **Wide temperature range available**

## Standard Frequencies

Frequencies in MHz	
12.80000	26.00000
16.38400	40.00000
19.44000	50.00000
20.00000	52.00000

## Specifications

Parameters	Product	Option Codes
	OCXOWST	
<b>Frequency range:</b> 10.0kHz ~ 54.0MHz	■	
<b>Frequency stability:</b> ±4.6ppm max overall (Including 15 years ageing)	■ ■	
<b>Holdover stability (24hrs):</b> ±0.28ppm max (0.56ppm p-p) (Incl load, supply and temp variation)	■	
<b>Internal calibration:</b> ±1.0ppm max	■	
<b>Operating temperature range:</b> 0 to +70°C -40 to +85°C	<input type="checkbox"/> <input type="checkbox"/>	D C
<b>Operable temperature range:</b> -40 to +85°C	■	
<b>Storage temperature range:</b> -65 to +125°C	■	
<b>Output waveform:</b> HCMOS compatible '0' = +0.4V max, '1' = V <sub>DD</sub> - 0.5V min 45:55 max	■ ■ ■	
<b>Rise / fall times:</b> 7ns / 7ns max	■	
<b>Frequency adjustment:</b> None (pin 1 ground) Via control voltage (pin 1)	■ <input type="checkbox"/>	specify
<b>Supply voltage (V<sub>DD</sub>):</b> +3.3V (±0.15V)	■	
<b>Input current:</b> 110mA max @ +30°C 170mA max @ -20°C	■ ■	
<b>Warm up:</b> within spec after 30s @ 0°C current 250mA max during 30s	■ ■	
<b>Phase noise (typ @ 10MHz):</b> -100dBc/Hz @ 10Hz -130dBc/Hz @ 100Hz -140dBc/Hz @ 1kHz -145dBc/Hz @ 10kHz	■ ■ ■ ■	
<b>Shock &amp; vibration:</b> 2,000G, 0.3ms ½-sine 10.0 ~ 2,000Hz, 10G	■ ■	
<b>Package:</b> Through hole 14 pin DIL 25x22mm SMD carrier PCB Formed leads SMD	■ <input type="checkbox"/> <input type="checkbox"/>	D1 D2

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

## Ordering Information

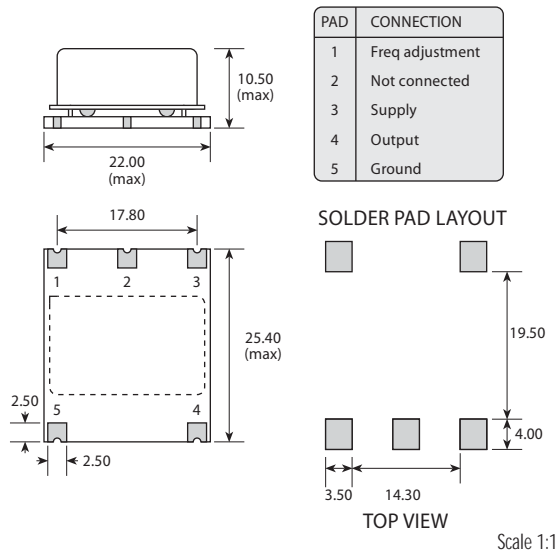
Product name + option codes + frequency

eg: **OCXOWST/D 12.80MHz**

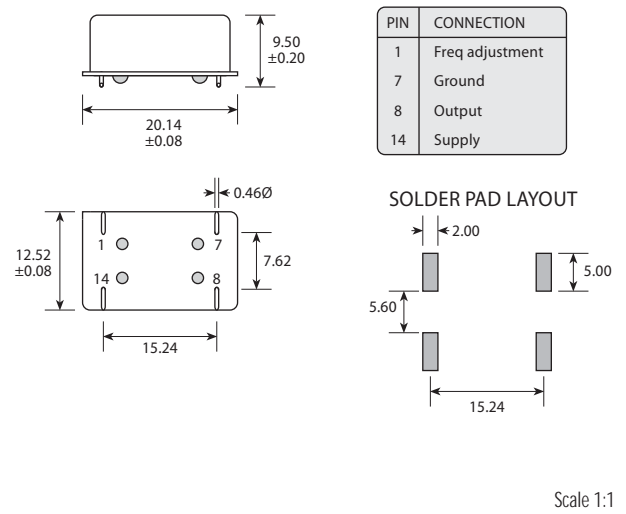
**OCXOWST/C 19.440MHz**

Option code X (eg OCXOWST/X) denotes a custom spec.

## Option D1



## Option D2



## Soldering Profile

