

PIN	CONNECTION
1	Ground
7	Ground
8	Output
14	Supply

Features

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

Specifications

Parameters	Product	Option Codes
	OCXOWST	
Frequency range: 10.0kHz ~ 54.0MHz	■	
Frequency stability: ±4.6ppm max overall (Including 15 years ageing) ±0.1ppm max vs V _{DD} ±10ppb max vs load ±10%	■ ■ ■ ■	
Short term stability: 5x10 ⁻¹⁰ , τ 0.1 to 30s 5x10 ⁻¹¹ typ at 1s	■ ■	
Holdover stability (24hrs): ±0.28ppm max (0.56ppm p-p) (Incl load, supply and temp variation)	■	
Internal calibration: ±1.0ppm max	■	
Operating temperature range: 0 to +70°C -40 to +85°C	□ □	D C
Storage temperature range: -55 to +125°C	■	
Output waveform: CMOS compatible '0'=+0.4V max, '1'=V _{DD} -0.5V min 45:55 max Rise/fall times 7ns max (no load)	■ ■ ■ ■	
Load: 3pF min, 47pF max	■	
Start up time: 5ms max	■	
Supply voltage (V_{DD}): +3.3V (±0.15V)	■	
Input current: 120mA max @ +25°C 170mA max @ -20°C	■ ■	
Warm up time (secs): current 250mA max @ 25°C to within ±0.1ppm @ 25°C	30 120	
Phase noise (typ @ 10MHz): -100dBc/Hz @ 10Hz -130dBc/Hz @ 100Hz -140dBc/Hz @ 1kHz -145dBc/Hz @ 10kHz	■ ■ ■ ■	
Shock & vibration: 5,000G, 0.3ms ½-sine 10.0 ~ 2,000Hz, 20G	■ ■	
Package: Through hole 14 pin DIL SMD options 1 or 2	■ □	specify

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

Ordering Information

Product name + option codes + frequency

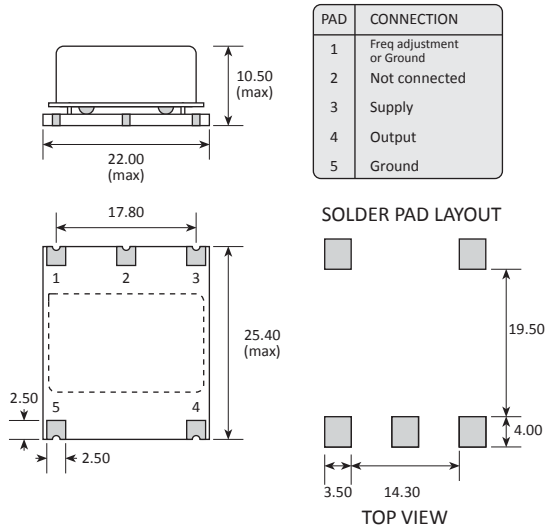
eg: **OCXOWST/D 12.80MHz**

OCXOWST/C 19.440MHz

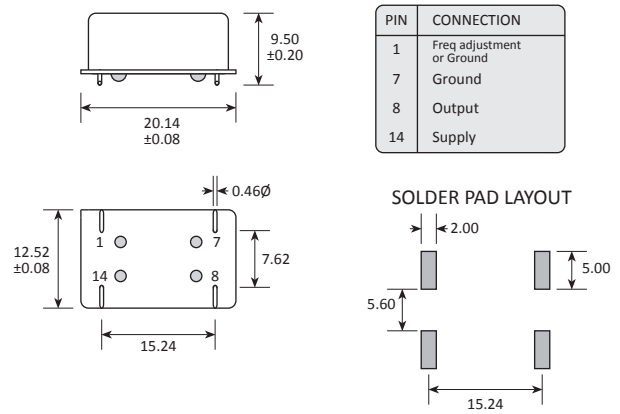
Option code X (eg OCXOWST/X) denotes a custom spec.

◆ Product is NOT designed to withstand 260°C reflow processing

Option D1



Option D2



Soldering Profile

