

PIN	CONNECTION
1	Ground
7	Ground
8	Output
14	Supply

Features

- ▶ Stratum 3 compliant
- ▶ Compact 14-pin DIL package (SMD optional)
- ▶ 5.0V supply voltage
- ▶ CMOS compatible output
- ▶ Very fast warmup
- ▶ Low power consumption
- ▶ Wide temperature range available

Specifications

Parameters	Product	Option Codes
	OCXOVST	
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: 5×10^{-10} , τ 0.1 to 30s 5×10^{-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}): +5.0V (±0.20V)	■	
Input current: 80mA max @ +25°C 120mA max @ -20°C	■ ■	
Warm up time (secs): current 250mA max @ 25°C to within ±0.1ppm @ 25°C	10 60	
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

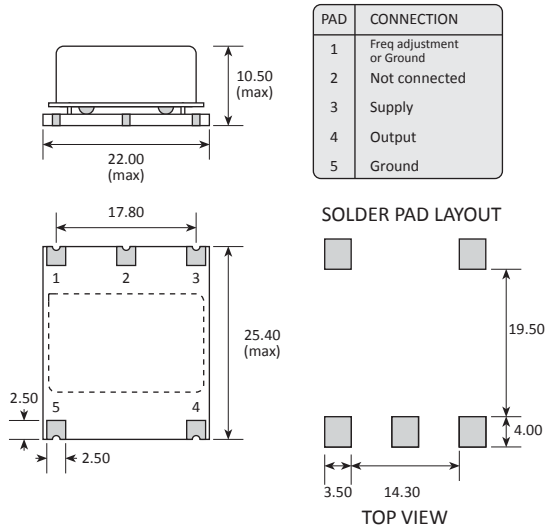
eg: **OCXOVST/D 12.80MHz**

OCXOVST/C 19.440MHz

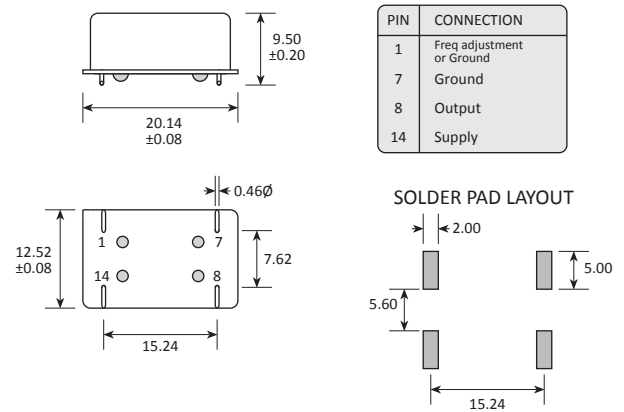
Option code X (eg OCXOVST/X) denotes a custom spec.

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

Option D1



Option D2



Soldering Profile

