



| PAD | CONNECTION |
|-----|-----------------------------------|
| 1 | Not connected or Enable / Disable |
| 2 | Ground |
| 3 | Output |
| 4 | Supply |

Scale 3:1

Features

- High temperature operation up to 225° C
- Excellent stability over temperature
- Low EMI emission
- High shock survivability
- CMOS / TTL compatible output
- Enable / disable tristate option
- Hermetically sealed ceramic package

Enable / Disable Function

| Input (pad 1) | Output (pad 3) |
|---------------|----------------|
| Open | Enabled |
| '1' level | Enabled |
| '0' level | High Impedance |

Specifications

| Parameters | Variant | | Option Codes |
|------------------------------------|--|-------------------|---------------------|
| | 4 | 5 | |
| Frequency range: | 1.0 ~ 50.0MHz | | |
| Calibration tolerance: | ±50ppm ±10 ~ ±100ppm | | specify |
| Temperature stability: | ±100ppm, +25 to +150°C ±150ppm, +25 to +175°C ±175ppm, +25 to +200°C ±250ppm, +25 to +225°C | | |
| Operating temperature range: | -55 to +225°C | | |
| Storage temperature range: | -55 to +125°C | | |
| Supply voltage (V _{DD}): | +3.3V (±10%) +5.0V (±10%) | | |
| Supply current (mA, typ): | @ 24.0MHz @ 32.0MHz @ 50.0MHz | 3.0 5.0 6.0 | 8.0 10.0 14.0 |
| Output load: | 15pF CMOS | | |
| Output voltage: | '0' level (V _{OL}) = 0.4V max '1' level (V _{OH}) = 90%V _{DD} min | | |
| Start up time: | 5ms max | | |
| Rise / fall times: | 10ns max | | |
| Waveform symmetry: | 40:60 max | | |
| Ageing: | ±5ppm max first year @ 25°C ±100ppm max @ 200°C | | |
| Shock resistance: | 5,000g, 0.3ms, ½ sine 10,000g, 0.3ms, ½ sine | | S H |
| Vibration resistance: | 20g/10.0 ~ 2,000Hz MIL-STD-202G method 204D cond D | | |
| Enable / disable function: | None (pad 1 NC) Tristate, power save Tristate, no power save | | N E T |
| Terminations: | Gold plated Solder dipped Solder dipped, lead-free | | 1 3 5 |

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

Ordering Information

Product name + variant + option code(s) + frequency
 eg: **CXOXHT5/HN1 40.0MHz** 5.0V, high shock, no tristate, gold plated
CXOXHT4/SE5 20.0MHz 3.3V, std shock, tristate, Pb-free solder dip
 Option code X (eg CXOXHT4/X) denotes a custom specification.

◆ Some combinations of frequency and options are not available. Check availability with sales