



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## Telecom OC48 Oscillator

- 622.08 MHz Osc
- PECL Output

## Applications

- SDH / SONET
- Digital Switching
- Test Equipment
- Cellular Telephony
- Land Mobile Radio

Series

CFSE

## Part Numbering Example: CFSE Z

| Specifications:  | Min         | Typ        | Max        | Unit     |
|--|-------------|------------|------------|----------|
| Frequency Range:                                       |             | 622.08     |            | MHz      |
| Available Stability Options:                           | -30         |            | 30         | ppm      |
| Supply Voltage:  | 3.135       | 3.3        | 3.465      | V        |
| Operating Temperature Range Options:                   | -10         |            | 85         | °C       |
| Storage Temperature:                                   | -55         |            | 125        | °C       |
| Duty Cycle:  | 45          |            | 55         | %        |
| Start-Up Time:   |             | 3          | 10         | mS       |
| Aging (PPM/1st Year):<br>Ta=25C, Vdd=3.3V              |             |            | ±5         |          |
| Static Discharge Voltage<br>Mil-Std 883, method 3015   | 2000        |            |            | V        |
| Supply Current   |             |            | 100        | mA       |
| Short Circuit Current                                  |             | ± 50       |            | mA       |
| Jitter<br>Integrated Period                            |             | 3<br>10    | 4          | pS<br>pS |
| Phase Noise<br>@10KHz Offset                           |             | -118       |            | dBc/Hz   |
| Output Voltage<br>Voh<br>Vol<br>RI = 50Ω – (Vdd - 2V)  | Vdd - 1.025 |            | Vdd - 1.62 | V<br>V   |
| Rise / Fall Time<br>Clock Rise (tr)<br>Clock Fall (tf) |             | 0.6<br>0.5 | 1.5<br>1.5 | nS<br>nS |

Output Level: PECL

Packaging: Tape &amp; Reel

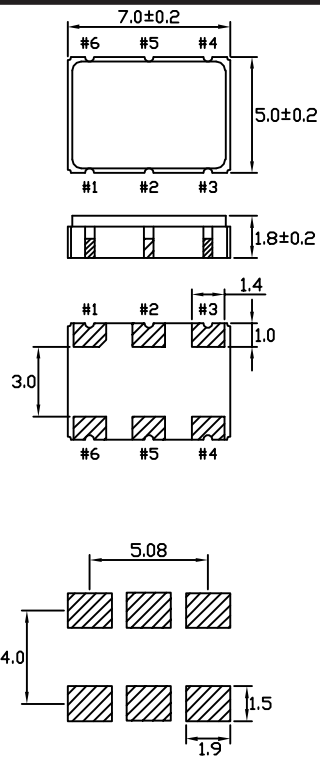
Notes: Extended exposure exceeding maximum ratings may cause permanent damage and affect reliability. Operation outside of specifications is not supported.

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Specifications subject to change without notice. Check website for latest updates



## CFSE

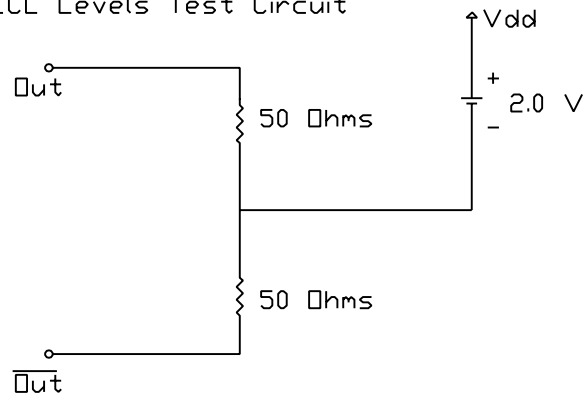


| PIN | FUNCTION |
|-----|----------|
| 1   | N/C      |
| 2   | OE       |
| 3   | GND      |
| 4   | PECL +   |
| 5   | PECL -   |
| 6   | Vdd      |

DIMENSIONS ARE IN MM

## LEVELS TEST CIRCUIT

PECL Levels Test Circuit



## OUTPUT SKEW

PECL Output Skew

