

- \* LVDS Output
- \* Industry Standard Outline

**Applications**

- \* Serial Communications
- \* Routers
- \* Switches
- \* WAN Interfaces
- \* Test Equipment



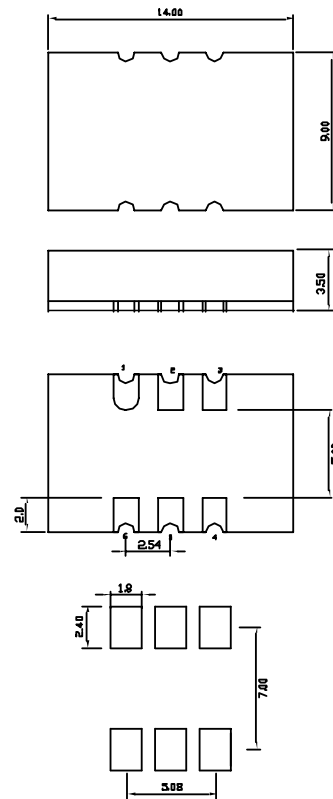
Part Numbering Example: CFL Z - A5 BP - 222.5792 TS

| CFL    | Z                                 | A5                                                              | BP                               | 222.5792  | TS             |
|--------|-----------------------------------|-----------------------------------------------------------------|----------------------------------|-----------|----------------|
| SERIES | PACKAGING OPTIONS                 | OPERATING TEMP.                                                 | STABILITY                        | FREQUENCY | TRI-STATE      |
| CFL    | Blank = Bulk<br>Z = Tape and Reel | Blank = 0°C ~ +70°C<br>A5 = -20°C ~ +70°C<br>A7 = -40°C ~ +85°C | Blank = ±100 ppm<br>BP = ±50 ppm |           | TS = Tri-State |

| Specifications:                            | Min                             | Typ  | Max       | Unit   |
|--------------------------------------------|---------------------------------|------|-----------|--------|
| Frequency Range:                           | 38                              |      | 640       | MHz    |
| Stability:                                 | -50                             |      | + 50      | ppm    |
| Supply Voltage:                            | 3.135                           | 3.3  | 3.465     | V      |
| Operating Temperature:                     | -40                             |      | + 85      | °C     |
| Storage Temperature:                       | -55                             |      | + 125     | °C     |
| Duty Cycle:                                | 45                              |      | 55        | %      |
| Start-Up Time:                             |                                 | 3    | 10        | mS     |
| Aging: (ppm/1st Year)<br>Ta=25°C, Vdd=3.3V |                                 |      | 5         | ppm    |
| Supply Current:                            |                                 |      | 100       | mA     |
| Short Circuit Current:                     |                                 | ± 50 |           | mA     |
| RMS Period Jitter:                         |                                 | 5    |           | pS     |
| RMS Integrated Jitter:<br>12kHz to 20MHz   |                                 | 0.7  |           | pS     |
| Phase Noise @ 10kHz:                       |                                 |      | -120      | dBc/Hz |
| Output Voltage:<br>Voh<br>Vol              | Vdd - 0.9                       |      | Vdd - 1.6 | V<br>V |
| Output Differential Voltage:               | 247                             | 355  | 454       | mV     |
| Rise/Fall Time:                            |                                 | 0.4  | 0.8       | nS     |
| Output Level:                              | LVDS                            |      |           |        |
| Packaging:                                 | Tape and Reel 1000 pcs per Reel |      |           |        |

**CFL**

Dimensions are in mm

**LVDS Levels Test Circuit**