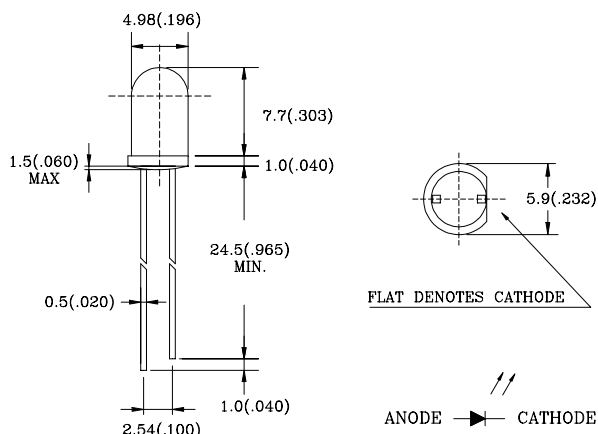



**◆PACKAGE DIMENSIONS**

**◆ABSOLUTE MAXIMUM RATING: (Ta=25°C)**

| Part No.   | P <sub>D</sub> (mw) | V <sub>R</sub> (V) | Topr                        | Tstg                      |
|------------|---------------------|--------------------|-----------------------------|---------------------------|
| L-51XEIR4C | 100                 | 5                  | -35°C to 85°C               | -35°C to 85°C             |
| PARAMETER  | Power Dissipation   | Reverse Voltage    | Operating Temperature Range | Storage Temperature Range |

Lead Soldering Temperature { 1.6mm ( 0.063 inch ) From Body } 250°C±5°C For 3 Seconds

**◆ELECTRO-OPTICAL CHARACTERISTICS: (Ta=25°C)**

| Part No.       | V <sub>F</sub> (V)                            |      |     | I <sub>R</sub> (uA) |     |     | λ <sub>P</sub> (nm)   |     |     | 2 θ 1/2 ( Age )      |     |     | I <sub>e</sub> ( mw/sr ) |     |     |
|----------------|-----------------------------------------------|------|-----|---------------------|-----|-----|-----------------------|-----|-----|----------------------|-----|-----|--------------------------|-----|-----|
|                | Min                                           | Typ  | Max | Min                 | Typ | Max | Min                   | Typ | Max | Min                  | Typ | Max | Min                      | Typ | Max |
| L-514EIR4C     |                                               | 1.55 | 1.8 |                     |     | 10  |                       | 850 |     |                      | 20  |     | 30                       | 60  |     |
| L-515EIR4C     |                                               | 1.55 | 1.8 |                     |     | 10  |                       | 850 |     |                      | 25  |     | 28                       | 55  |     |
| L-516EIR4C     |                                               | 1.55 | 1.8 |                     |     | 10  |                       | 850 |     |                      | 30  |     | 26                       | 50  |     |
| L-517EIR4C     |                                               | 1.55 | 1.8 |                     |     | 10  |                       | 850 |     |                      | 35  |     | 24                       | 45  |     |
| L-518EIR4C     |                                               | 1.55 | 1.8 |                     |     | 10  |                       | 850 |     |                      | 40  |     | 22                       | 40  |     |
| L-51AEIR4C     |                                               | 1.55 | 1.8 |                     |     | 10  |                       | 850 |     |                      | 50  |     | 20                       | 35  |     |
|                |                                               |      |     |                     |     |     |                       |     |     |                      |     |     |                          |     |     |
|                |                                               |      |     |                     |     |     |                       |     |     |                      |     |     |                          |     |     |
|                |                                               |      |     |                     |     |     |                       |     |     |                      |     |     |                          |     |     |
|                |                                               |      |     |                     |     |     |                       |     |     |                      |     |     |                          |     |     |
| TEST CONDITION | I <sub>F</sub> =20mA<br>I <sub>F</sub> =100mA |      |     | V <sub>R</sub> = 5V |     |     | I <sub>F</sub> = 20mA |     |     | I <sub>F</sub> =20mA |     |     | I <sub>F</sub> = 20mA    |     |     |

BC=BLUE CLEAR D1,D2=BLACK

- All dimension are in millimeter (inches).
- Tolerance is ±0.25mm( 0.01”)unless otherwise specified.