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| REV. | DATE   | BY | DESCRIPTION |
|------|--------|----|-------------|
| B    | 020515 | LC | CORRECTION  |

502983

## ELECTRO-OPTICAL CHARACTERISTICS

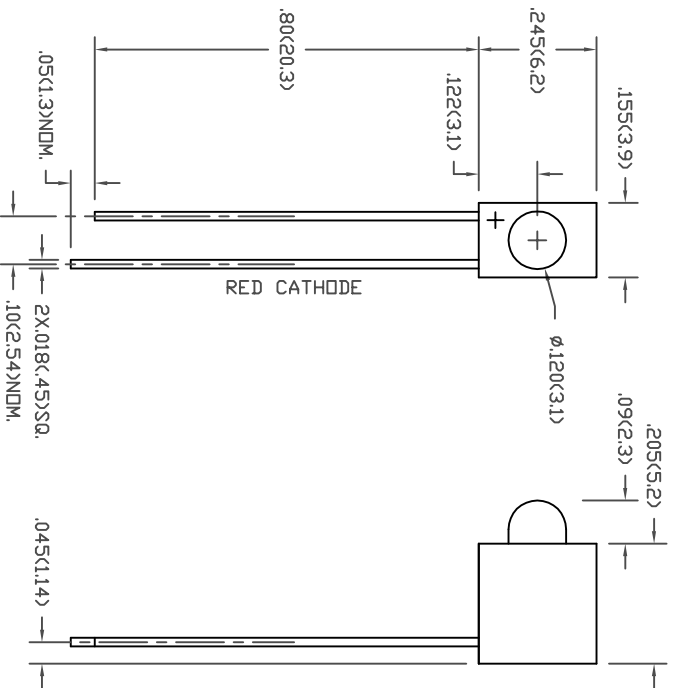
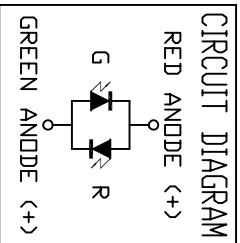
@ T<sub>a</sub> = 25°C

| SYM               | PARAMETER   | LED COLOR |       | UNIT |
|-------------------|---|-----------|-------|------|
|                   |   | RED       | GREEN |      |
| I <sub>v</sub>    | TYP. LUMINOUS INTENSITY<br>@ I <sub>f</sub> =20mA | 4.3       | 3.7   | mcd  |
| V <sub>f</sub>    | TYP. FORWARD VOLTAGE<br>@ I <sub>f</sub> =20mA    | 2.1       | 2.1   | V    |
| V <sub>mx</sub>   | MAX. FORWARD VOLTAGE<br>@ I <sub>f</sub> =20mA    | 3.0       | 3.0   | V    |
| V <sub>br</sub>   | REVERSE BREAKDOWN<br>@ I <sub>r</sub> =100µA      | 5         | 5     | V    |
| λ <sub>pk</sub>   | PEAK WAVELENGTH                                   | 635       | 567   | nm   |
| 2θ <sub>1/2</sub> | VIEWING ANGLE                                     | 118       |       | deg  |

ABSOLUTE MAX. RATINGS T<sub>a</sub>=25°C

| PARAMETER                            | VALUE                                  | UNIT   |
|--------------------------------------|--|--------|
| POWER DISSIPATION                    | 100                                    | mW     |
| DERATE/°C >T <sub>a</sub>            | 1.6                                    | mW     |
| CONTINUOUS CURRENT                   | 30                                     | mA     |
| PEAK CURRENT @ 100kHz, 5% DUTY CYCLE | 100                                    | mA     |
| OPERATING TEMPERATURE                | -25/+85                                | °C     |
| STORAGE TEMPERATURE                  | -25/+100                               | °C     |
| SOLDERING                            | .063" BELOW PACKAGE BASE FOR 5 SECONDS | 260 °C |

REMARKS:  
1. Dimensions are in inches(mm).  
2. LED encapsulation is milky-diffused.



## Data Display Products

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DATE: 000530 DWN BY: LC CHK'D BY: APPR'D BY:

LAST REV. DATE: 020515 REV LEVEL: B MATERIAL: -

TITLE: PCH125-DRG

SCALE: NONE TOL: .XXX(X) .XXX(X) ANG. DWG NUMBER: 502983