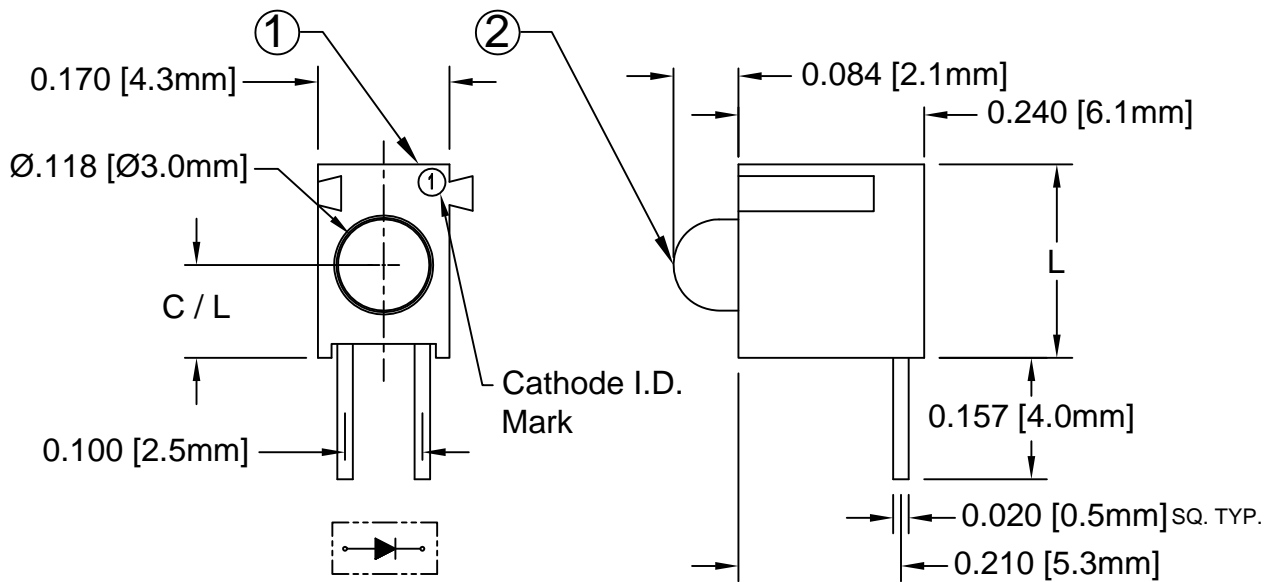
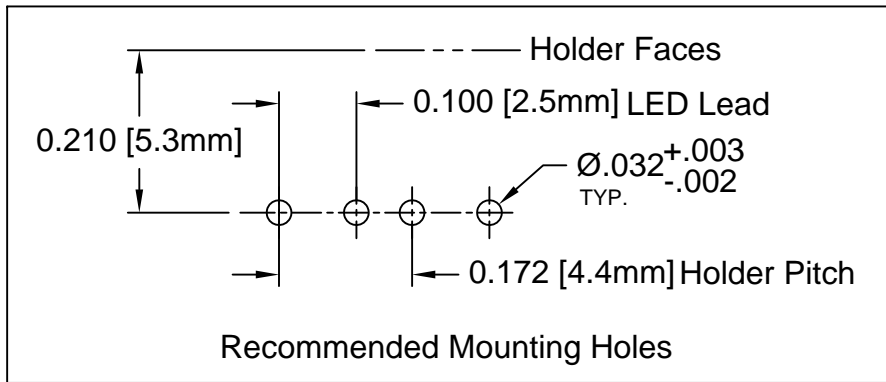


| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION |
|------|------|--------------|--|
| 1 | 1 | H-130C-1-XXX | T-1 (3mm) LED Holder, 90° Mount, Interlocking Var. C/L |
| 2 | 1 | 3XX-S | T-1 (3mm) Shouldered N-Flanged LED, See Page 2 |

| REV. | DESCRIPTION | DATE | APPROVED |
|------|----------------------------------|----------|----------|
| B | Engineering Update w/o Changes | 03/05/04 | M. C. |
| C | LED Package Change to 3XX-S LEDs | 10/26/07 | M. C. |
| D | Added H130CAD-XXX | 02/29/08 | M. C. |
| E | Engineering Update w/o Changes | 06/20/16 | J. C. |



EXAMPLE:
H130CRD-160*
 Centerline "C/L"
 LED Color & Lens Appearance.
 Omit 3 when ordering.
 Series * XXX = Centerline "C/L"



| Available Centerlines | | |
|-----------------------|------------|------------|
| XXX | C/L | L |
| 120 | .120 (3.0) | .250 (6.4) |
| 140 | .140 (3.6) | .270 (6.9) |
| 160 | .160 (4.1) | .290 (7.4) |
| 180 | .180 (4.6) | .310 (7.9) |


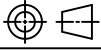
ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

REVERSE VOLTAGE _____ 5V
 REVERSE CURRENT _____ 100uA
 OPERATING TEMPERATURE RANGE _____ -25° C - 85° C
 STORAGE TEMPERATURE _____ -30° C - 100° C
 LEAD SOLDERING TEMPERATURE(1/16" FROM BODY) _____ 260° C FOR 5 SECONDS

| | | | |
|--|--------------------------|--|-----------------------|
| STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) | | 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974 | |
| DECIMALS | ANGULAR | | |
| .X ± .1 | X° ± 1° | TITLE: T-1 (3MM) INTERLOCKING 90° SINGLE-LEVEL VAR. C/L LED ASSY | REVISION: E |
| .XX ± .02 | | | |
| .XXX ± .010 | | PART NO: H130CXX-XXX | REVISION: E |
| DESIGNED: D. Green | DATE: 06/11/03 | CAGE CODE : 32559 SHEET # 1 OF 2 | |
| CHECKED: M. Chen | DATE: 06/11/03 | CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING. | |

| | | | |
|------|--------------|------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| | SEE SHEET #1 | | |

| LED Assy. No. | Peak Wave Length λ_p (nm) | Emitted Color | Lens Appearance | Electro-Optical Data | | | | Viewing Angle $2\theta_{1/2}$ (Deg) | LED P/N |
|--------------------|--------------------------------------|---------------|-----------------|----------------------|-----------|------|-------------|---|---------|
| | | | | If (mA) | Vf (V) | | Iv (mcd) | | |
| | | | | Typ. | Typ. | Max. | Typ. | | |
| STANDARD | | | | Data @ 20m A | | | | | |
| H130CBWD-XXX | 430 | BLUE | DIFFUSED | 20 | 4.0 | 4.5 | 20 | 45 | 3BWD-S |
| H130CGD-XXX | 565 | GREEN | DIFFUSED | 20 | 2.2 | 2.6 | 30 | 45 | 3GD-S |
| H130CYD-XXX | 585 | YELLOW | DIFFUSED | 20 | 2.1 | 2.6 | 20 | 45 | 3YD-S |
| H130CHD-XXX | 635 | HE RED | DIFFUSED | 20 | 2.0 | 2.6 | 30 | 45 | 3HD-S |
| H130CRD-XXX | 655 | RED | DIFFUSED | 20 | 1.7 | 2.0 | 6 | 45 | 3RD-S |
| H130CSR-XXX | 660 | SUPER RED | DIFFUSED | 20 | 1.7 | 2.6 | 90 | 45 | 3SRD-S |
| H130CAD-XXX | 610 | AMBER | DIFFUSED | 20 | 2.2 | 2.6 | 30 | 45 | 3AD-S |
| LOW CURRENT | | | | Data @ 2m A | | | | | |
| H130CGDL-XXX | 565 | GREEN | DIFFUSED | 2 | 1.9 | 2.2 | 6 | 45 | 3GDL-S |
| H130CYDL-XXX | 585 | YELLOW | DIFFUSED | 2 | 1.9 | 2.2 | 4 | 45 | 3YDL-S |
| H130CHDL-XXX | 635 | HE RED | DIFFUSED | 2 | 1.8 | 2.2 | 6 | 45 | 3HDL-S |
| 5 VOLT | | | | Data @ 5V | | | | | |
| H130CGD5V-XXX | 565 | GREEN | DIFFUSED | 10 | - | 5.0 | 30 | 45 | 3GD5V-S |
| H130CYD5V-XXX | 585 | YELLOW | DIFFUSED | 10 | - | 5.0 | 20 | 45 | 3YD5V-S |
| H130CHD5V-XXX | 635 | HE RED | DIFFUSED | 10 | - | 5.0 | 30 | 45 | 3HD5V-S |

| | | | |
|--|--------------------------|---|-----------------------|
| STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) $\pm 10\%$ ALL VALUES ANGULAR | |  BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974 | |
|  | | | |
| DESIGNED: D. Green | DATE: 06/11/03 | TITLE: T-1 (3MM) INTERLOCKING 90° SINGLE-LEVEL VAR. C/L LED ASSY | |
| CHECKED: M. Chen | DATE: 06/11/03 | PART NO: H130CXX-XXX | REVISION: E |
| | | CAGE CODE : 32559 | SHEET # 2 OF 2 |
| CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING. | | | |