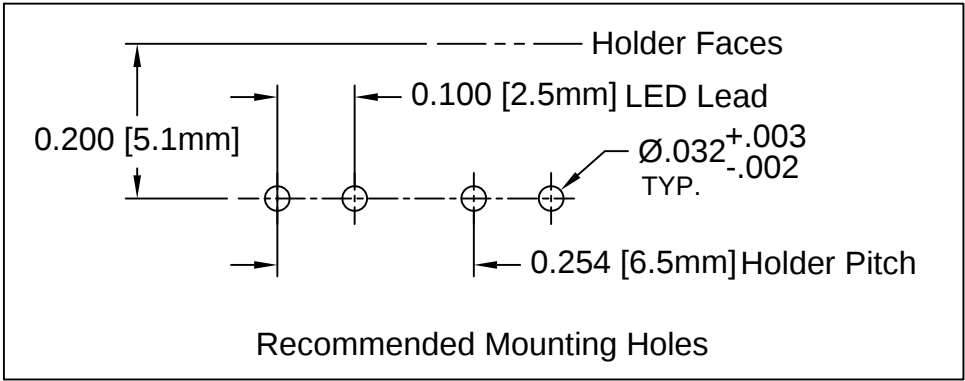
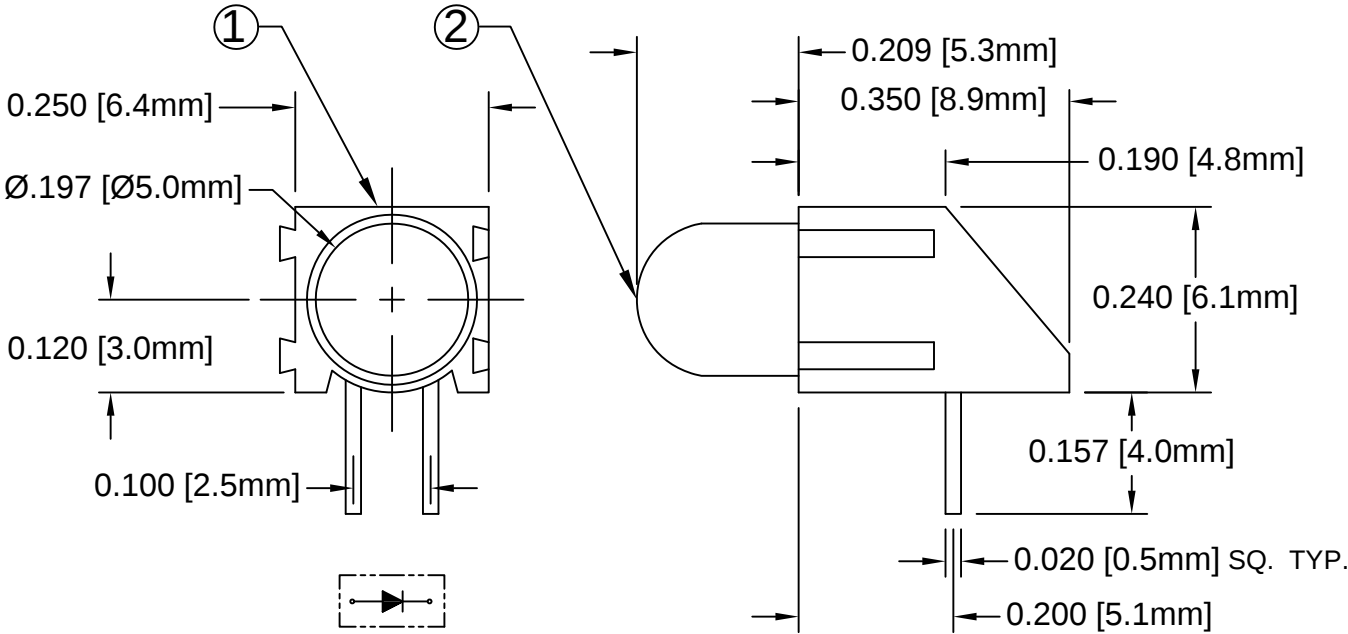


| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION                               |
|------|------|-------------|------------------------------------------------|
| 1    | 1    | H-175C-2    | T-1¾ (5mm) LED Holder, 90° Mount, Interlocking |
| 2    | 1    | 5XX         | T-1¾ (5mm) Non-Flange LED, See Page 2          |

| REV. | DESCRIPTION                             | DATE     | APPROVED |
|------|-----------------------------------------|----------|----------|
| A    | Engineering Update w/o Changes          | 03/05/04 | M. C.    |
| B    | Corrected LED Protrusion and Holder PN# | 01/18/07 | M. C.    |
| C    | Updated LED Protrusion                  | 08/05/09 | T. Y.    |
| D    | Engineering Update w/o Changes          | 06/20/16 | J. C.    |
|      |                                         |          |          |



## 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<br>( UNLESS OTHERWISE SPECIFIED ) |                   | <div>BIVAR®</div> <div>4 THOMAS, IRVINE, CA. 92618</div> <div>TEL.: (949) 951-8808 FAX: (949) 951-3974</div> |                |
| DECIMALS                                             | ANGULAR           |                                                                                                              |                |
| .X ± .1                                              | X° ± 1°           |                                                                                                              |                |
| .XX ± .02                                            |                   |                                                                                                              |                |
| .XXX ± .010                                          |                   |                                                                                                              |                |
| DESIGNED:<br>T. Yin                                  | DATE:<br>03/05/04 | <div>TITLE: T-1¾ (5MM) INTERLOCKING 90° SINGLE-LEVEL LED ASSY</div>                                          |                |
| CHECKED:<br>D. Green                                 | DATE:<br>03/05/04 | PART NO:<br>H175CXX                                                                                          | REVISION:<br>D |
|                                                      |                   | CAGE CODE : 32559                                                                                            | SHEET # 1 OF 2 |
| CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.      |                   |                                                                                                              |                |

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

| LED Assy. No. | Peak Wave Length<br>λp(nm) | Emitted Color | Lens Appearance | Electro-Optical Data |           |     |             | Viewing Angle<br>2 Θ ½<br>(Deg) | LED P/N |
|---------------|----------------------------|---------------|-----------------|----------------------|-----------|-----|-------------|---------------------------------|---------|
|               |                            |               |                 | If<br>(mA)           | Vf<br>(V) |     | Iv<br>(mcd) |                                 |         |
|               |                            |               |                 | TYP                  | TYP       | MAX | TYP         |                                 |         |
| STANDARD      |                            |               |                 | Data @ 20mA          |           |     |             |                                 |         |
| H175CBWD      | 430                        | BLUE          | DIFFUSED        | 20                   | 4.0       | 4.5 | 15          | 45                              | 5BWD    |
| H175CGD       | 568                        | GREEN         | DIFFUSED        | 20                   | 2.1       | 2.8 | 25          | 45                              | 5GD     |
| H175CPGD      | 555                        | PURE GREEN    | DIFFUSED        | 20                   | 2.2       | 2.8 | 10          | 45                              | 5PGD    |
| H175CYD       | 590                        | YELLOW        | DIFFUSED        | 20                   | 2.0       | 2.8 | 25          | 45                              | 5YD     |
| H175CHD       | 625                        | HE RED        | DIFFUSED        | 20                   | 2.0       | 2.8 | 25          | 45                              | 5HD     |
| H175CRD       | 700                        | RED           | DIFFUSED        | 20                   | 2.1       | 2.8 | 2           | 45                              | 5RD     |
| H175CSR       | 645                        | SUPER RED     | DIFFUSED        | 20                   | 1.7       | 2.4 | 40          | 45                              | 5SRD    |
| LOW CURRENT   |                            |               |                 | Data @ 2mA           |           |     |             |                                 |         |
| H175CGDL      | 568                        | GREEN         | DIFFUSED        | 2                    | 2.1       | 2.6 | 5           | 45                              | 5GDL    |
| H175CYDL      | 590                        | YELLOW        | DIFFUSED        | 2                    | 2.0       | 2.6 | 4           | 45                              | 5YDL    |
| H175CHDL      | 625                        | HE RED        | DIFFUSED        | 2                    | 2.0       | 2.6 | 5           | 45                              | 5HDL    |
| 5 VOLT        |                            |               |                 | Data @ 5V            |           |     |             |                                 |         |
| H175CGD5V     | 568                        | GREEN         | DIFFUSED        | 10                   | -         | 5.0 | 25          | 45                              | 5GD5V   |
| H175CYD5V     | 590                        | YELLOW        | DIFFUSED        | 10                   | -         | 5.0 | 20          | 45                              | 5YD5V   |
| H175CHD5V     | 625                        | HE RED        | DIFFUSED        | 10                   | -         | 5.0 | 25          | 45                              | 5HD5V   |

|                                                                                      |                   |                                                                                                                                                                     |                                                             |
|--------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
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|                                                                                      |                   |                                                                                | TITLE: T-1¼ (5MM) INTERLOCKING<br>90° SINGLE-LEVEL LED ASSY |
| DESIGNED:<br>T. Yin                                                                  | DATE:<br>03/05/04 | PART NO:<br>H175CXX                                                                                                                                                 | REVISION:<br>D                                              |
| CHECKED:<br>M. Chen                                                                  | DATE:<br>03/05/04 | CAGE CODE : 32559                                                                                                                                                   | SHEET # 2 OF 2                                              |
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