



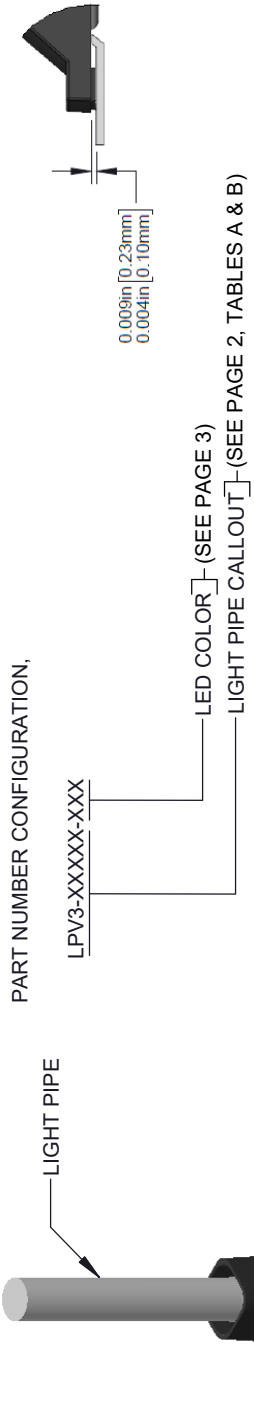
**THE DATASHEET OF
LPV3-0550D-G850**



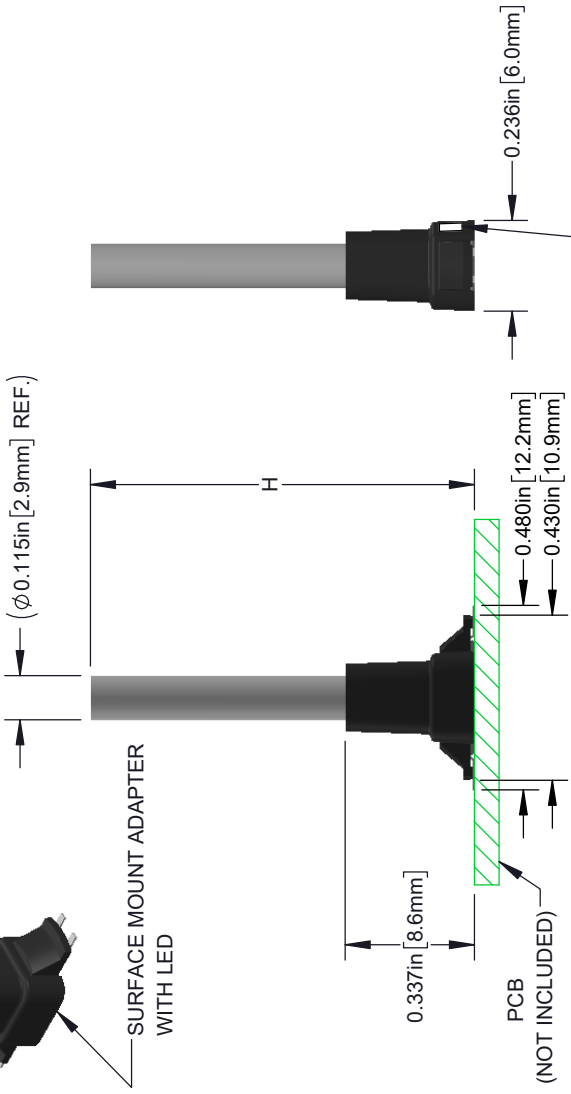
NOTES:

1. PARTS ARE SHIPPED NON-ASSEMBLED.
2. SEE SHEET 4 FOR PACKAGING PLAN.

| REV. | DESCR |
|------|------------------------|
| B | Engineering Release |
| C | ECO-1250 - Updated Com |
| D | ECO-1279 - Updated MFG |

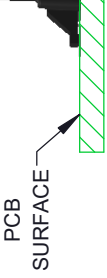
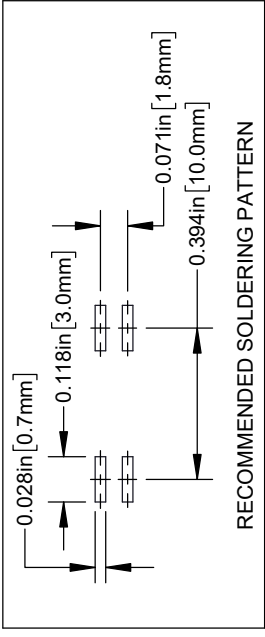


PART NUMBER CONFIGURATION,
 LPV3-XXXXXX-XXX
 LED COLOR (SEE PAGE 3)
 LIGHT PIPE CALLOUT (SEE PAGE 2, TABLES A & B)



FLAT FACE LENS

DIMENSIONS ARE APPLICABLE TO BOTH LENS FACES UNLESS OTHERWISE NOTED



DOME FACE LENS

CUSTOMER

| STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) | | ANGULAR |
|---|--------|---------|
| DECIMALS | | X° ± 1° |
| .X | ± .1 | |
| .XX | ± .02 | |
| .XXX | ± .010 | |

| | | | |
|-----------|----------|-------|----------|
| DESIGNED: | K. BARON | DATE: | 7/11/201 |
| REVISED: | K. BARON | DATE: | 8/2/2024 |
| CHECKED: | D. ASHBY | DATE: | 8/2/2024 |

REV.

DESCR

See Sheet 1

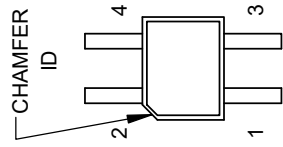
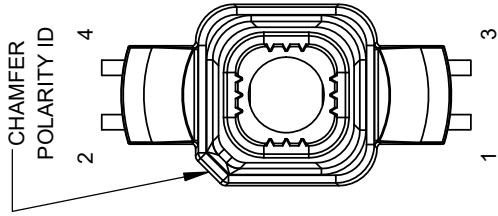
STANDARD ORDERING INFORMATION

| TABLE A - FLAT FACE LENS | |
|--------------------------|----------------|
| PART NO. | H ± .01 |
| LPV3-0350F-XXX | 0.350 [8.9mm] |
| LPV3-0400F-XXX | 0.400 [10.2mm] |
| LPV3-0450F-XXX | 0.450 [11.4mm] |
| LPV3-0500F-XXX | 0.500 [12.7mm] |
| LPV3-0550F-XXX | 0.550 [14.0mm] |
| LPV3-0600F-XXX | 0.600 [15.2mm] |
| LPV3-0750F-XXX | 0.750 [19.1mm] |
| LPV3-1000F-XXX | 1.000 [25.4mm] |
| LPV3-1250F-XXX | 1.250 [31.8mm] |
| LPV3-1500F-XXX | 1.500 [38.1mm] |
| LPV3-1750F-XXX | 1.750 [44.5mm] |
| LPV3-2000F-XXX | 2.000 [50.8mm] |

| TABLE B - DOME FACE LENS | |
|--------------------------|----------------|
| PART NO. | H ± .01 |
| LPV3-0350D-XXX | 0.350 [8.9mm] |
| LPV3-0400D-XXX | 0.400 [10.2mm] |
| LPV3-0450D-XXX | 0.450 [11.4mm] |
| LPV3-0500D-XXX | 0.500 [12.7mm] |
| LPV3-0550D-XXX | 0.550 [14.0mm] |
| LPV3-0600D-XXX | 0.600 [15.2mm] |
| LPV3-0750D-XXX | 0.750 [19.1mm] |
| LPV3-1000D-XXX | 1.000 [25.4mm] |
| LPV3-1250D-XXX | 1.250 [31.8mm] |
| LPV3-1500D-XXX | 1.500 [38.1mm] |
| LPV3-1750D-XXX | 1.750 [44.5mm] |
| LPV3-2000D-XXX | 2.000 [50.8mm] |

CUSTOM!

| | |
|------------------|--|
| CAGE CODE: 32555 | |
| SHEET SIZE: A | |



| Order Code XXX | Emitted Color | Peak Wave L. λ_p [nm] Chroma TYP | Electro-Optical Data @20mA, 25°C | | | | Polarity Diagram |
|-------------------|------------------|--|----------------------------------|-----|-------------|------|---------------------|
| | | | V_f [V] | | I_v [mcd] | | |
| | | | MIN | TYP | MAX | TYP | |
| R130 | Red | 640 | 1.7 | 2.0 | 2.5 | 130 | FIGURE A |
| R480 | Red | 630 | 1.7 | 2.0 | 2.5 | 480 | FIGURE B |
| A220 | Amber | 610 | 1.7 | 2.0 | 2.5 | 220 | |
| O170 | Orange | 590 | 1.7 | 2.0 | 2.5 | 170 | |
| Y50 | Yellow | 570 | 1.7 | 2.0 | 2.5 | 50 | FIGURE C |
| G850 | Green | 520 | 2.8 | 3.2 | 3.7 | 850 | |
| B150 | Blue | 465 | 2.8 | 3.2 | 3.7 | 150 | |
| W305 | White | X = 0.308 Y = 0.305 | 2.8 | 3.0 | 3.7 | 1750 | FIGURE D |
| OY | Orange | 590 | 1.7 | 2.0 | 2.5 | 190 | |
| RY | Yellow | 572 | 1.7 | 2.0 | 2.5 | 60 | |
| RG | Red | 640 | 1.7 | 2.0 | 2.5 | 110 | FIGURE E |
| | Yellow | 572 | 1.7 | 2.0 | 2.5 | 55 | |
| RW | Red | 640 | 1.7 | 2.0 | 2.5 | 200 | FIGURE F |
| | Green | 520 | 2.8 | 3.2 | 3.7 | 810 | |
| RB | Red | 630 | 1.7 | 2.0 | 2.5 | 130 | FIGURE G |
| | White | X = 0.28 Y = 0.29 | 2.8 | 3.2 | 3.7 | 520 | |
| RGB | Red | 650 | 1.7 | 2.0 | 2.5 | 80 | FIGURE H |
| | Blue | 465 | 2.8 | 3.2 | 3.7 | 150 | |
| RGB | Red | 643 | 1.7 | 2.0 | 2.5 | 95 | FIGURE H |
| | Green | 515 | 2.8 | 3.3 | 3.7 | 730 | |
| RGB | Blue | 460 | 2.8 | 3.3 | 3.7 | 120 | FIGURE H |

Note: 10% Duty Cycle, Pulse Width \leq 0.1msec for Peak If.

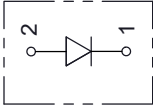


FIG. A

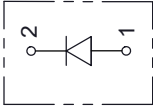


FIG. B

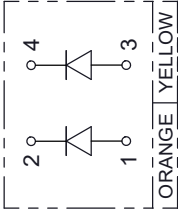


FIG. C

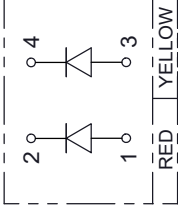


FIG. D

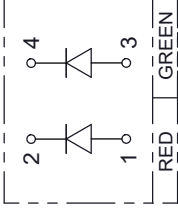


FIG. E

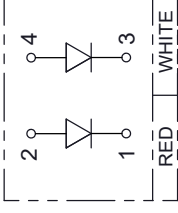


FIG. F

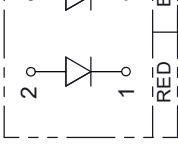


FIG. G

| | |
|-------------|------|
| CAGE CODE: | 3255 |
| SHEET SIZE: | A |

CUSTOMER USE DRAWING

PACKAGING PLAN

PARTS ARE SHIPPED IN QUANTITY OF 400 AS IN THE FOLLOWING:

1. ONE BAG CONTAINING FOUR LIGHT PIPE PACKAGES, 100 EACH, AND ONE LEVEL 4 MOISTURE SEALED TRAY WITH 400 SURFACE MOUNT ADAPTERS.
2. BAG SIZE IS APPROXIMATELY 16 X 18 INCHES (406.4 X 457.2 mm).
3. TRAY SIZE IS APPROXIMATELY 10 X 14 X 0.6 INCHES (254 X 355.6 X 15.2 mm), INCLUDING TOP COVER AND BOTTOM TRAY. ADAPTERS ARE ARRANGED AS SHOWN IN FIGURE 1.

10 ADAPTERS IN EACH POCKET

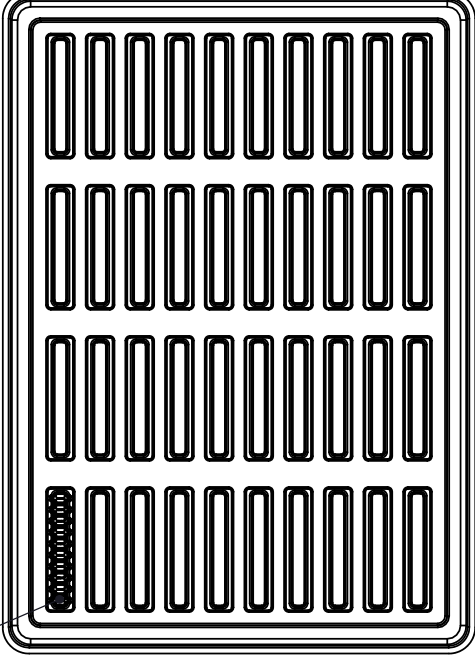
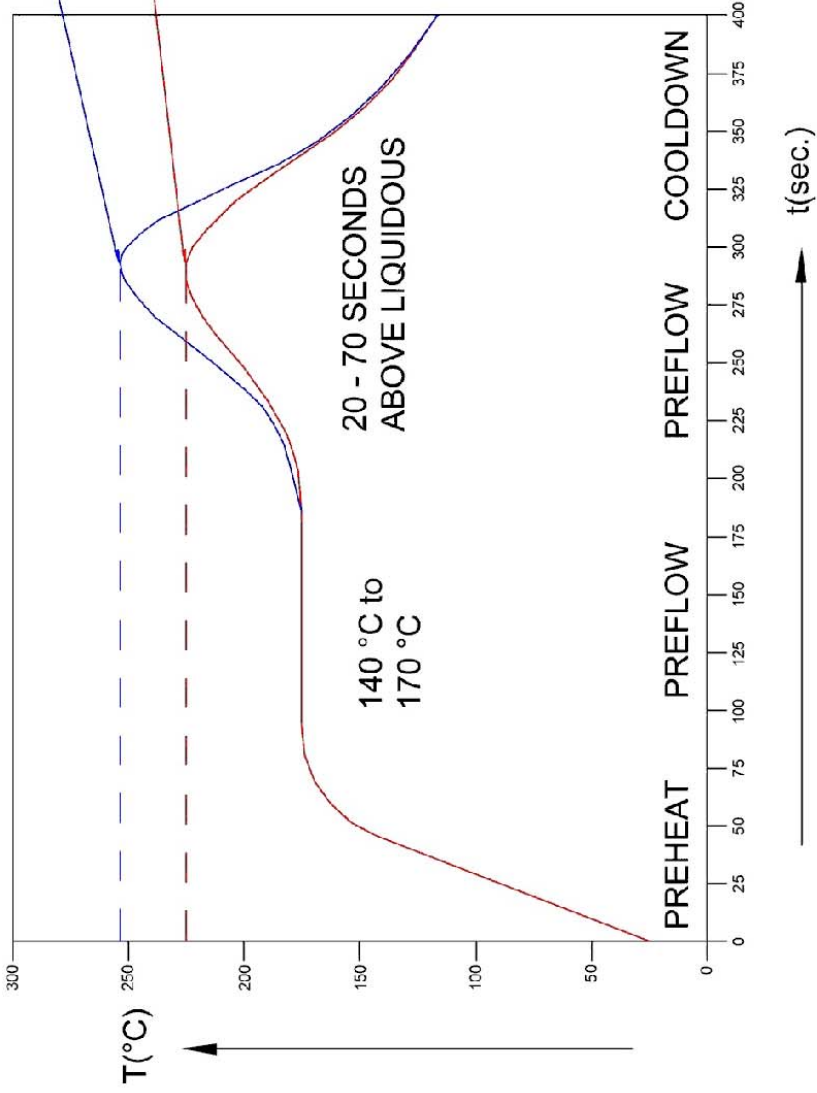


FIGURE 1
BOTTOM TRAY
4 X 10 POCKETS

CUSTOM!

| | |
|-------------|------|
| CAGE CODE: | 3255 |
| SHEET SIZE: | A |

RECOMMENDED REFLOW SOLDERING PROFILE



CUSTOM!

NOTE:
1. DO NOT CLEAN AFTER SOLDERING. ONLY USE NO-CLEAN SOLDER PASTE.

| | |
|-------------|------|
| CAGE CODE: | 3255 |
| SHEET SIZE: | A |

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View LPV3-0550D-G850 on WIN SOURCE](#)

 [Bivar Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management