

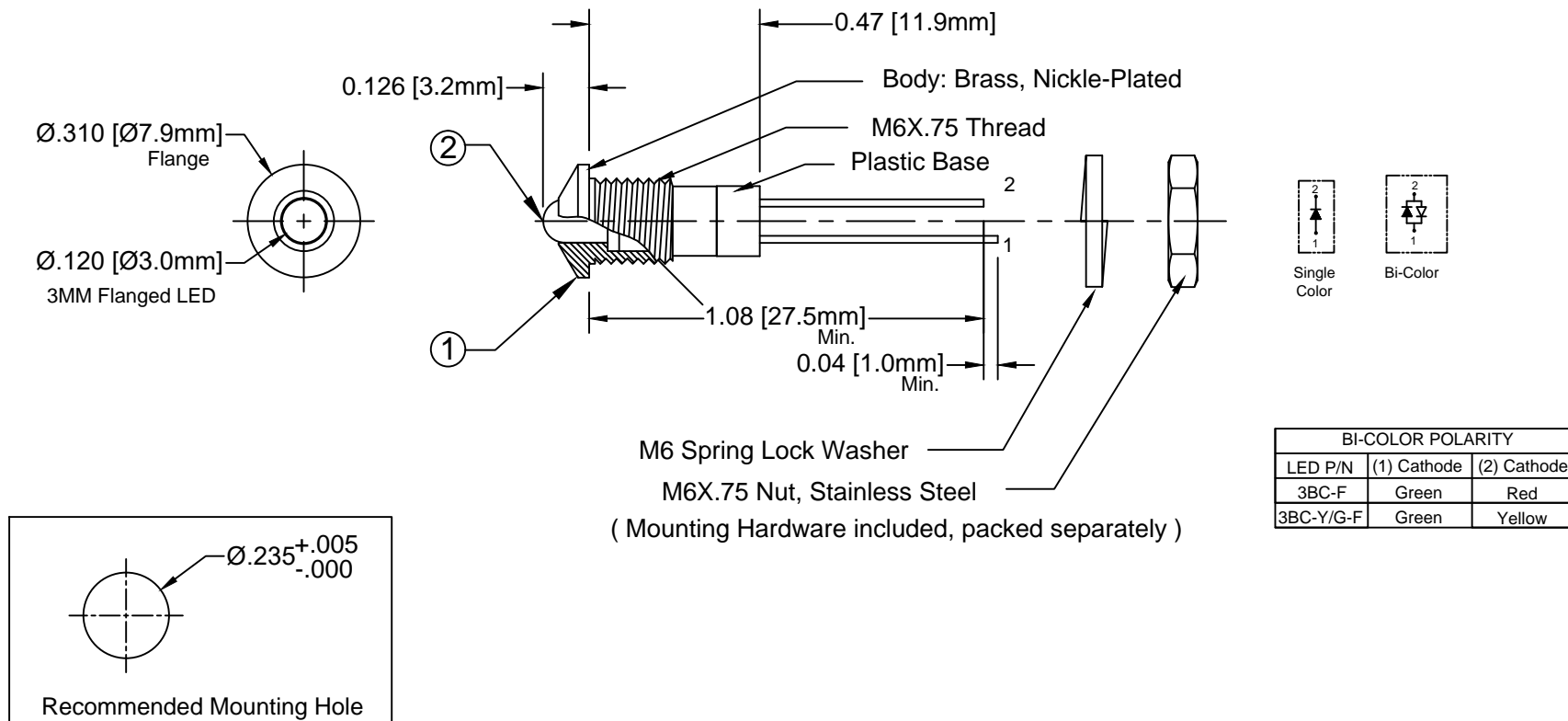


THE DATASHEET OF MPC3HDL



| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION |
|------|------|-------------|---------------------------------------|
| 1 | 1 | MPC3 | Chrome Panel Mount Holder, 3mm |
| 2 | 1 | 3XX-F | T-1 (3mm) Flanged LED, See Page 2 & 3 |

| REV. | DESCRIPTION | DATE | APPROVED |
|------|--|----------|----------|
| A | Engineering Release. | 10/31/03 | M. C. |
| B | Engineering Update w/o Changes. | 04/06/05 | M. C. |
| C | Changed Holder Length from .43 to .47. | 03/21/07 | M. C. |
| D | LED Updates | 11/07/11 | T. Y. |
| E | Updated LED offering | 05/03/12 | T. Y. |
| F | Updated Bi-Color Polarity Table | 12/18/12 | T. Y. |
| G | Updated LED Optical Characteristics | 09/14/15 | J. C. |
| H | Updated per EOL Notice | 03/04/20 | A. V. |



ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

| | | |
|--|-------|---------------------|
| REVERSE VOLTAGE | _____ | 5V |
| REVERSE CURRENT (VR=5V) | _____ | 100µA |
| OPERATING TEMPERATURE RANGE | _____ | -40°C ~ 85°C |
| STORAGE TEMPERATURE | _____ | -40°C ~ 100°C |
| LEAD SOLDERING TEMPERATURE (1/16" FROM BODY) | _____ | 260°C for 5 Seconds |

| STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) | | BIVAR® | |
|--|----------------|---|------------------|
| DECIMALS | ANGULAR | 4 THOMAS, IRVINE, CA. 92618 | |
| .X ± .1 | X° ± 1° | TEL: (949) 951-8808 FAX: (949) 951-3974 | |
| .XX ± .02 | | TITLE: STD METAL PANEL MOUNT INDICATORS | |
| .XXX ± .010 | | DRAWING NO: MPC3XX | |
| DESIGNED: David Green | DATE: 10/31/03 | REVISION: H | |
| REVISED: V. Chavez | DATE: 03/04/20 | SHEET SIZE: A | CAGE CODE: 32559 |
| CHECKED: A. Valdez | DATE: 03/04/20 | SCALE: NONE | SHEET # 1 OF 3 |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING | | | |

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

| LED Assy. No. | Chip | | | Lens Appearance | Electro-Optical Data @ 20mA | | | | Viewing Angle 2 θ $\frac{1}{2}$ (Deg) | LED P/N | |
|---------------|-----------|------------------|---------------|-----------------|-----------------------------|--------|-----|----------|--|-----------|-----|
| | Material | Peak Wave Length | Emitted Color | | If (mA) | Vf (V) | | Iv (mcd) | | | |
| | | | | | | MAX | TYP | MAX | | | TYP |
| MPC3BWD | GaN/SiC | 430 | BLUE | DIFFUSED | 25 | 4 | 4.5 | 10 | 35 | 3BWD-F | |
| MPC3GD | GaP/GaP | 568 | GREEN | DIFFUSED | 30 | 2.1 | 2.8 | 25 | 35 | 3GD-F | |
| MPC3YD | GaAsP/GaP | 590 | YELLOW | DIFFUSED | 30 | 2 | 2.8 | 20 | 35 | 3YD-F | |
| MPC3YT | GaAsP/GaP | 590 | YELLOW | TINTED | 30 | 2 | 2.8 | 40 | 20 | 3YT-F | |
| MPC3AD | GaAsP/GaP | 605 | AMBER | DIFFUSED | 30 | 2 | 2.8 | 25 | 35 | 3AD-F | |
| MPC3HD | GaAsP/GaP | 625 | HE RED | DIFFUSED | 30 | 2 | 2.8 | 30 | 35 | 3HD-F | |
| MPC3RD | GaP/GaP | 700 | RED | DIFFUSED | 20 | 2.1 | 2.8 | 2 | 20 | 3RD-F | |
| MPC3BC | GaAsP/GaP | 625 | RED | DIFFUSED | 30 | 2.0 | 2.8 | 6 | 45 | 3BC-F | |
| | GaP/GaP | 568 | GREEN | | 30 | 2.1 | 2.8 | 6 | | | |
| MPC3BC-Y/G | GaAsP/GaP | 590 | YELLOW | DIFFUSED | 30 | 2.0 | 2.8 | 4 | 45 | 3BC-Y/G-F | |
| | GaP/GaP | 568 | GREEN | | 30 | 2.1 | 2.8 | 6 | | | |

| | | | |
|---|--------------|---------------------------|--------------------|
| | | BIVAR [®] | |
| CAGE CODE | 32559 | DRAWING NO: | MPC3XX |
| SHEET SIZE | A | SCALE: NONE | REVISION: H |
| | | SHEET # 2 OF 3 | |
| <small>CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING</small> | | | |

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

| LED Assy. No. | Chip | | | Lens Appearance | Electro-Optical Data @ 20mA | | | | Viewing Angle 2 θ ½ (Deg) | LED P/N |
|---------------|----------------|------------------|---------------|-----------------|-----------------------------|--------|-----|----------|---------------------------------|--------------|
| | Material | Peak Wave Length | Emitted Color | | If (mA) | Vf (V) | | Iv (mcd) | | |
| | | | | | | MAX | TYP | | | |
| MPC3SGC | GaP/GaP | 568 | GREEN | WATER CLEAR | 30 | 2.1 | 2.8 | 50 | 20 | 3SGC-F |
| MPC3SYC | GaAsP/GaP | 590 | YELLOW | WATER CLEAR | 30 | 2.0 | 2.8 | 50 | 20 | 3SYC-F |
| MPC3SRC | GaAlAs/GaAs | 645 | SUPER RED | WATER CLEAR | 30 | 1.7 | 2.4 | 60 | 20 | 3SRC-F |
| MPC3SRD | GaAlAs/GaAs | 645 | SUPER RED | DIFFUSED | 30 | 1.7 | 2.4 | 40 | 35 | 3SRD-F |
| MPC3UGC | AlGaInP | 570 | GREEN | WATER CLEAR | 30 | 2.1 | 2.4 | 200 | 20 | 3UGC-F |
| MPC3SUGC | AlGaInP | 570 | GREEN | WATER CLEAR | 30 | 2.1 | 2.4 | 300 | 35 | 3SUGC-F |
| MPC3UYC | AlGaInP | 590 | YELLOW | WATER CLEAR | 30 | 2.0 | 2.4 | 300 | 20 | 3UYC-F |
| MPC3URC | GaAlAs/GaAs | 645 | RED | WATER CLEAR | 30 | 1.7 | 2.4 | 200 | 35 | 3URC-F |
| MPC3SURC | AlGaInP | 640 | RED | WATER CLEAR | 30 | 1.8 | 2.4 | 200 | 20 | 3SURC-F |
| MPC3UWC | InGaN/Sapphire | 6500K | WHITE | WATER CLEAR | 30 | 3.2 | 3.6 | 6000 | 35 | 3UWC1.035C-F |

| LED Assy. No. | Chip | | | Lens Appearance | Absolute Max. Ratings | | | Electro-Optical Data @ 2mA | | | Viewing Angle 2 Y ½ (Deg) | LED P/N |
|---------------|-----------|----------------------------|---------------|-----------------|-----------------------|---------|-------------|----------------------------|-----|----------|---------------------------------|---------|
| | Material | Peak Wave Length λp(nm) | Emitted Color | | Pd (mW) | If (mA) | Peak If(mA) | Vf (V) | | Iv (mcd) | | |
| | | | | | | | | TYP | MAX | | | |
| MPC3GDL | GaP/GaP | 568 | GREEN | DIFFUSED | 10 | 7 | - | 2.1 | 2.6 | 4.0 | 35 | 3GDL-F |
| MPC3YDL | GaAsP/GaP | 590 | YELLOW | DIFFUSED | 10 | 7 | - | 2.0 | 2.6 | 2.0 | 35 | 3YDL-F |
| MPC3HDL | GaAsP/GaP | 625 | HE RED | DIFFUSED | 10 | 7 | - | 2.0 | 2.6 | 2.5 | 35 | 3HDL-F |

BIVAR[®]

| | | | | | |
|-------------------|--------------|--------------------|-----------------------|--|----------|
| CAGE CODE | 32559 | DRAWING NO: | MPC3XX | REVISION: | H |
| SHEET SIZE | A | SCALE: NONE | SHEET # 3 OF 3 | CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING | |

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View MPC3HDL 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