

# RoHS COMPLIANT 561-XX0X-XX0F

Part Numbers with the "F" suffix ending are RoHS Compliant.  
For example: 561-2201-080F  
Packaging is marked with "RoHS Compliant" label or equivalent markings.  
Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

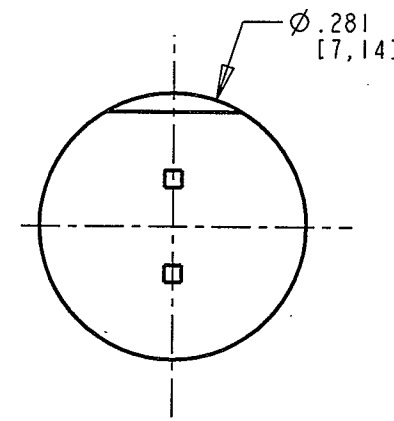
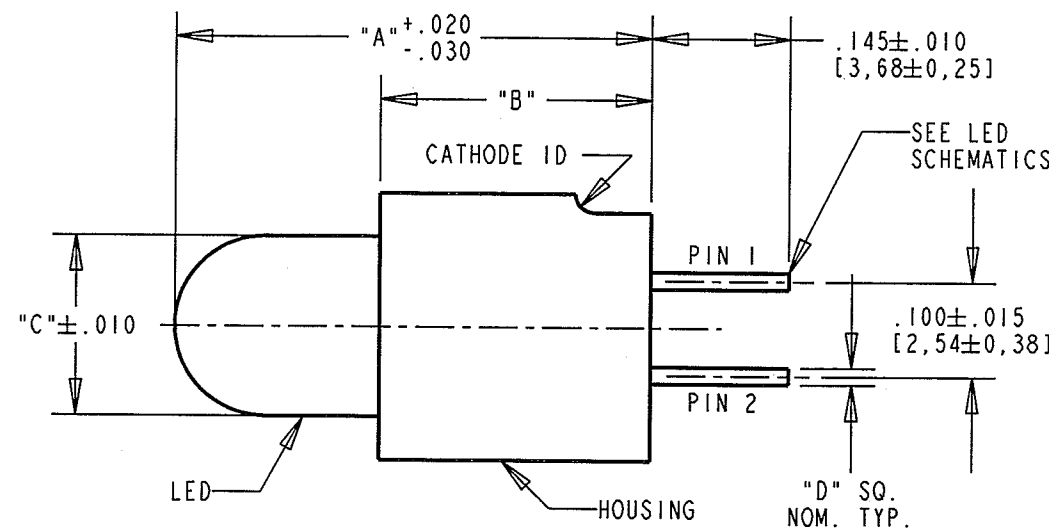


**ATTENTION:**  
OBSERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES

| REV | ECN NO | REVISIONS   | DRN | CKD | APP    | DATE |
|-----|--------|-------------|-----|-----|--------|------|
| A   | —      | NEW RELEASE | KLJ | DE  | 4/9-09 |      |

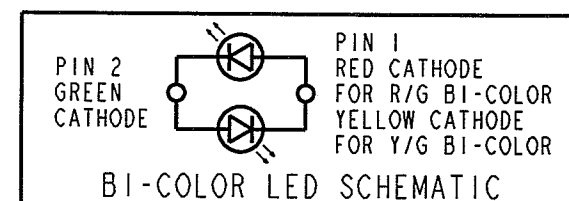
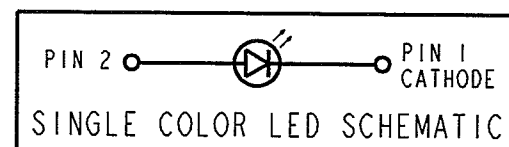
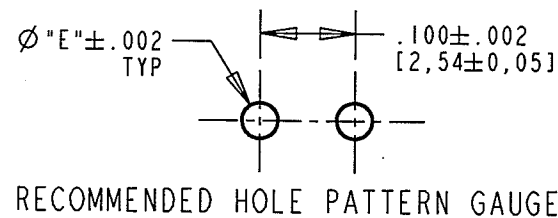
| DIALIGHT<br>PART NUMBER | DIM<br>"C" | DIM<br>"D" | DIM<br>"E" | LED COLOR                    | OPERATING CHARACTERISTICS AT 25°C AMBIENT |                                |       |                           |         |                            |     |                            |                                |                            | ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT |                                   |                                  |                                 |                                    |                           |                         |                           |                                            |
|-------------------------|------------|------------|------------|------------------------------|-------------------------------------------|--------------------------------|-------|---------------------------|---------|----------------------------|-----|----------------------------|--------------------------------|----------------------------|------------------------------------------|-----------------------------------|----------------------------------|---------------------------------|------------------------------------|---------------------------|-------------------------|---------------------------|--------------------------------------------|
|                         |            |            |            |                              | TEST<br>CONDITION                         | LUMINOUS<br>INTENSITY<br>(mcd) |       | FORWARD<br>VOLTAGE<br>(V) |         | FORWARD<br>CURRENT<br>(mA) |     | REVERSE<br>CURRENT<br>(μA) | DOMINANT<br>WAVELENGTH<br>(nm) | PEAK<br>WAVELENGTH<br>(nm) | VIEWING<br>ANGLE<br>(DEG)                | POWER<br>DISSIP-<br>ATION<br>(mW) | DC<br>FORWARD<br>CURRENT<br>(mA) | DC<br>FORWARD<br>VOLTAGE<br>(V) | PEAK<br>FORWARD<br>CURRENT<br>(mA) | REVERSE<br>VOLTAGE<br>(V) | STORAGE<br>TEMP<br>(°C) | OPERATING<br>TEMP<br>(°C) | SOLDERING<br>TEMP FOR<br>5 SECONDS<br>(°C) |
|                         |            |            |            |                              |                                           | MIN                            | TYP   | TYP                       | MAX     | TYP                        | MAX | MAX                        | TYP                            | TYP                        | TYP                                      |                                   |                                  |                                 |                                    |                           |                         |                           |                                            |
| 561-0104-XXXF           | .190       | .025       | .050       | RED DIFFUSED, 5V INT RES     | V <sub>f</sub> = 5V                       | 2.1                            | —     | —                         | —       | 10                         | 15  | 100                        | 626                            | 635                        | 60                                       | —                                 | —                                | 7.5                             | —                                  | 5                         | -55 TO +100             | -40 TO +85                | 260                                        |
| 561-0901-XXXF           | .190       | .018       | .040       | HIGH EFFICIENCY ORANGE DIFF  | I <sub>f</sub> = 10mA                     | 4.0                            | 7.0   | 1.9                       | 2.4     | —                          | —   | 100                        | 602                            | 600                        | 60                                       | —                                 | 30                               | —                               | 500                                | 5                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-1002-XXXF           | .197       | .020       | .043       | InGaN BLUE WATER CLEAR       | I <sub>f</sub> = 20mA                     | 900                            | 1500  | 3.6                       | 4.0     | —                          | —   | 50                         | 470                            | —                          | 30                                       | 120                               | 30                               | —                               | 100                                | 5                         | -40 TO +100             | -30 TO +85                | 260                                        |
| 561-1101-XXXF           | .190       | .018       | .040       | RED DIFFUSED LOW CURRENT     | I <sub>f</sub> = 2mA                      | 1.5                            | 2.3   | 1.7                       | 2.0     | —                          | —   | 50                         | 626                            | 635                        | 50                                       | 24                                | 7                                | —                               | 500                                | 5                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-1201-XXXF           | .190       | .018       | .040       | YELLOW DIFFUSED LOW CURRENT  | I <sub>f</sub> = 2mA                      | 1.2                            | 1.8   | 1.9                       | 2.7     | —                          | —   | 50                         | —                              | 583                        | 50                                       | 36                                | 7                                | —                               | 500                                | 5                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-1301-XXXF           | .190       | .018       | .040       | GREEN DIFFUSED LOW CURRENT   | I <sub>f</sub> = 2mA                      | 1.2                            | 1.8   | 1.8                       | 2.2     | —                          | —   | 50                         | —                              | 565                        | 50                                       | 24                                | 7                                | —                               | 500                                | 5                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-2101-XXXF           | .197       | .020       | .043       | HIGH EFFICIENCY RED DIFF     | I <sub>f</sub> = 10mA                     | 2.2                            | 6.3   | 2.2                       | 2.6     | —                          | —   | 10                         | —                              | 650                        | 50                                       | 60                                | 25                               | —                               | 60                                 | 3                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-2201-XXXF           | .195       | .020       | .043       | HIGH EFFICIENCY GREEN DIFF   | I <sub>f</sub> = 10mA                     | 4.5                            | 7.9   | 2.0                       | 2.5     | —                          | —   | 10                         | 570                            | 572                        | 50                                       | 130                               | 40                               | —                               | 500                                | 12                        | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-2301-XXXF           | .195       | .020       | .043       | HIGH EFFICIENCY YELLOW DIFF  | I <sub>f</sub> = 10mA                     | 4.5                            | 16    | 2.0                       | 2.0     | —                          | —   | 10                         | 587                            | 586                        | 50                                       | 130                               | 40                               | —                               | 500                                | 12                        | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-2401-XXXF           | .190       | .018       | .040       | RED TINTED NON-DIFFUSED      | I <sub>f</sub> = 10mA                     | 25                             | 60    | 2.2                       | 3.0     | —                          | —   | 100                        | —                              | 635                        | 35                                       | 135                               | 30                               | —                               | 90                                 | 5                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-2501-XXXF           | .190       | .018       | .040       | GREEN TINTED NON-DIFFUSED    | I <sub>f</sub> = 10mA                     | 25                             | 70    | 2.3                       | 3.0     | —                          | —   | 100                        | —                              | 565                        | 24                                       | 135                               | 30                               | —                               | 90                                 | 5                         | -55 TO +100             | -20 TO +100               | 260                                        |
| 561-2601-XXXF           | .197       | .020       | .043       | YELLOW TINTED NON-DIFFUSED   | I <sub>f</sub> = 10mA                     | 29                             | 90    | 2.1                       | 2.6     | —                          | —   | 100                        | 588                            | 585                        | 35                                       | 60                                | 20                               | —                               | 80                                 | 5                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-3001-XXXF           | .197       | .020       | .043       | RED/GREEN BI-COLOR           | I <sub>f</sub> = 20mA                     | 29/12                          | 90/40 | 1.8/2.1                   | 2.4/2.8 | —                          | —   | 100                        | —                              | 660/565                    | 60                                       | 100/100                           | 40/30                            | —                               | 200/120                            | 4/5                       | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-3101-XXXF           | .197       | .020       | .043       | YELLOW/GREEN BI-COLOR        | I <sub>f</sub> = 20mA                     | 2.5                            | 8.7   | 2.1/2.1                   | 2.8/2.8 | —                          | —   | 100                        | —                              | 585/565                    | 50                                       | 60/100                            | 20/30                            | —                               | 80/120                             | 5/5                       | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-5101-XXXF           | .197       | .020       | .043       | SUPER BRIGHT RED DIFFUSED    | I <sub>f</sub> = 20mA                     | 17                             | 34    | 2.1                       | 2.55    | —                          | —   | 10                         | —                              | 650                        | 50                                       | 75                                | 25                               | —                               | 60                                 | 3                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-5201-XXXF           | .197       | .018       | .040       | SUPER BRIGHT GREEN DIFFUSED  | I <sub>f</sub> = 20mA                     | 17                             | 34    | 2.2                       | 3.0     | —                          | —   | 10                         | —                              | 563                        | 50                                       | 75                                | 25                               | —                               | 60                                 | 3                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-5301-XXXF           | .197       | .020       | .043       | SUPER BRIGHT YELLOW DIFFUSED | I <sub>f</sub> = 20mA                     | 17                             | 34    | 2.2                       | 3.0     | —                          | —   | 10                         | —                              | 585                        | 50                                       | 75                                | 25                               | —                               | 60                                 | 3                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-5401-XXXF           | .197       | .020       | .043       | SUPER BRIGHT AMBER DIFFUSED  | I <sub>f</sub> = 20mA                     | 17                             | 34    | 2.2                       | 3.0     | —                          | —   | 10                         | —                              | 610                        | 50                                       | 75                                | 25                               | —                               | 60                                 | 3                         | -30 TO +100             | -25 TO +85                | 260                                        |
| 561-5501-XXXF           | .190       | .018       | .040       | RED WATER CLEAR              | I <sub>f</sub> = 20mA                     | 80                             | 125   | 2.2                       | 3.0     | —                          | —   | 100                        | —                              | 635                        | 24                                       | 135                               | 30                               | —                               | 90                                 | 5                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-5601-XXXF           | .190       | .018       | .040       | GREEN WATER CLEAR            | I <sub>f</sub> = 20mA                     | 80                             | 120   | 2.3                       | 3.0     | —                          | —   | 100                        | 569                            | 565                        | 24                                       | 135                               | 30                               | —                               | 90                                 | 5                         | -55 TO +100             | -20 TO +100               | 260                                        |
| 561-5701-XXXF           | .190       | .025       | .050       | YELLOW WATER CLEAR           | I <sub>f</sub> = 20mA                     | 80                             | 140   | 2.2                       | 3.0     | —                          | —   | 100                        | 585                            | 583                        | 24                                       | 85                                | 20                               | —                               | 60                                 | 5                         | -55 TO +100             | -55 TO +100               | 260                                        |
| 561-5801-XXXF           | .197       | .024       | .049       | AMBER WATER CLEAR            | I <sub>f</sub> = 20mA                     | 60                             | 90    | 2.2                       | 2.5     | —                          | —   | 100                        | —                              | 605                        | 20                                       | 125                               | 50                               | —                               | 100                                | 4                         | -30 TO +100             | -30 TO +85                | 260                                        |
| 561-5902-XXXF           | .197       | .020       | .043       | InGaN GREEN WATER CLEAR      | I <sub>f</sub> = 20mA                     | 3000                           | 5000  | 3.5                       | 4.0     | —                          | —   | 50                         | 525                            | —                          | 30                                       | 120                               | 30                               | —                               | 100                                | 5                         | -40 TO +100             | -30 TO +85                | 260                                        |
| 561-6002-XXXF           | .197       | .020       | .043       | WHITE WATER CLEAR            | I <sub>f</sub> = 20mA                     | 1500                           | 2500  | 3.5                       | 4.0     | —                          | —   | 50                         | X = 0.33<br>Y = 0.36           | —                          | 50                                       | 120                               | 30                               | —                               | 100                                | 5                         | -40 TO +100             | -30 TO +85                | 260                                        |

| P/N SUFFIX<br>(-XXXF) | DIM<br>"A" | DIM<br>"B" |
|-----------------------|------------|------------|
| -050F                 | .500       | .275       |
| -060F                 | .600       | .375       |
| -070F                 | .700       | .475       |
| -080F                 | .800       | .575       |
| -090F                 | .900       | .675       |
| -100F                 | 1.000      | .775       |



## NOTES:

- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
- PIN NUMBERS FOR REF ONLY, DESIGNATION NON-EXISTENT ON PART.
- DIALIGHT PART NUMBERS: 561-XX0X-XX0F.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



|                                                                                                                                                                                                                               |                                                          |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------|
| THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT. |                                                          |              |
| SCALE: 5.000                                                                                                                                                                                                                  | DRAWING NUMBER<br><br>C-17724                            | REV<br><br>A |
| ALL DIM'S IN: INCHES (MM)                                                                                                                                                                                                     |                                                          |              |
| TOLERANCES:<br>UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                     | TITLE      Ø5mm VERTICAL CBI<br>RoHS COMPLIANT           |              |
| FRACTIONS: ±1/64<br>DECIMALS (.XX): ±.01<br>DECIMALS (.XXX): ±.005                                                                                                                                                            | MATERIAL                                                 |              |
| ANGLES: ±3°                                                                                                                                                                                                                   |                                                          |              |
| FINISH:                                                                                                                                                                                                                       | Dialight<br>1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727 |              |
| FSCM      83330                                                                                                                                                                                                               |                                                          |              |
| SHEET    1    OF    1    FAMILY TABLE:                                                                                                                                                                                        |                                                          |              |

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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