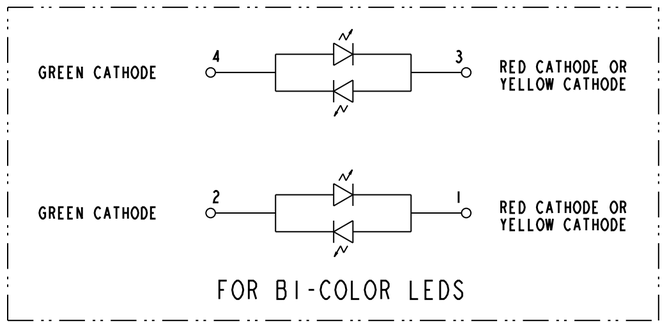
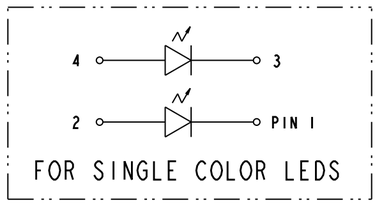
| DIALIGHT PART NUMBER | LED COLOR | | DIM "A" | DIM "B" |
|---|---|---|---|---|
| | POSITION 1 | POSITION 2 | | |
| 553-0102-300F | BLANK | GREEN DIFFUSED | .097 | .122±.010 |
| 553-0103-300F | BLANK | YELLOW DIFFUSED | .097 | .122±.010 |
| 553-0108-300F | BLANK | BLUE NON-TINTED DIFFUSED | .093 | .110±.010 |
| 553-0111-300F | RED DIFFUSED | RED DIFFUSED | .097 | .122±.010 |
| 553-0112-300F | RED DIFFUSED | GREEN DIFFUSED | .097 | .122±.010 |
| 553-0113-300F | RED DIFFUSED | YELLOW DIFFUSED | .097 | .122±.010 |
| 553-0117-300F | RED DIFFUSED | ORANGE DIFFUSED | .097 | .122±.010 |
| 553-0121-300F | GREEN DIFFUSED | RED DIFFUSED | .097 | .122±.010 |
| 553-0122-300F | GREEN DIFFUSED | GREEN DIFFUSED | .097 | .122±.010 |
| 553-0123-300F | GREEN DIFFUSED | YELLOW DIFFUSED | .097 | .122±.010 |
| 553-0127-300F | GREEN DIFFUSED | ORANGE DIFFUSED | .087 | .115±.010 |
| 553-0131-300F | YELLOW DIFFUSED | RED DIFFUSED | .097 | .122±.010 |
| 553-0132-300F | YELLOW DIFFUSED | GREEN DIFFUSED | .097 | .122±.010 |
| 553-0133-300F | YELLOW DIFFUSED | YELLOW DIFFUSED | .097 | .122±.010 |
| 553-0172-300F | ORANGE DIFFUSED | GREEN DIFFUSED | .097 | .122±.010 |
| 553-0177-300F | ORANGE DIFFUSED | ORANGE DIFFUSED | .087 | .115±.010 |
| 553-0188-300F | BLUE NON-TINTED DIFFUSED | BLUE NON-TINTED DIFFUSED | .093 | .110±.005 |
| 553-0201-300F | BLANK | 2 mA RED DIFFUSED | .087 | .115±.010 |
| 553-0203-300F | BLANK | 2 mA YELLOW DIFFUSED | .087 | .115±.010 |
| 553-0211-300F | 2 mA RED DIFFUSED | 2 mA RED DIFFUSED | .087 | .115±.010 |
| 553-0212-300F | 2 mA RED DIFFUSED | 2 mA GREEN DIFFUSED | .087 | .115±.010 |
| 553-0213-300F | 2 mA RED DIFFUSED | 2 mA YELLOW DIFFUSED | .087 | .115±.010 |
| 553-0221-300F | 2 mA GREEN DIFFUSED | 2 mA RED DIFFUSED | .087 | .115±.010 |
| 553-0222-300F | 2 mA GREEN DIFFUSED | 2 mA GREEN DIFFUSED | .087 | .115±.010 |
| 553-0223-300F | 2 mA GREEN DIFFUSED | 2 mA YELLOW DIFFUSED | .087 | .115±.010 |
| 553-0232-300F | 2 mA YELLOW DIFFUSED | 2 mA GREEN DIFFUSED | .087 | .115±.010 |
| 553-0233-300F | 2 mA YELLOW DIFFUSED | 2 mA YELLOW DIFFUSED | .087 | .115±.010 |
| 553-0303-300F | BLANK | 5 V YELLOW DIFFUSED | .087 | .115±.010 |
| 553-0311-300F | 5 V RED DIFFUSED | 5 V RED DIFFUSED | .087 | .115±.010 |
| 553-0312-300F | 5 V RED DIFFUSED | 5 V GREEN DIFFUSED | .087 | .115±.010 |
| 553-0313-300F | 5 V RED DIFFUSED | 5 V YELLOW DIFFUSED | .087 | .115±.010 |
| 553-0322-300F | 5 V GREEN DIFFUSED | 5 V GREEN DIFFUSED | .087 | .115±.010 |
| 553-0323-300F | 5 V GREEN DIFFUSED | 5 V YELLOW DIFFUSED | .087 | .115±.010 |
| 553-0332-300F | 5 V YELLOW DIFFUSED | 5 V GREEN DIFFUSED | .087 | .115±.010 |
| 553-0333-300F | 5 V YELLOW DIFFUSED | 5 V YELLOW DIFFUSED | .087 | .115±.010 |
| 553-0701-300F | BLANK | BI-COLOR RED/GREEN | .093 | .118±.005 |
| 553-0711-300F | BI-COLOR RED/GREEN | BI-COLOR RED/GREEN | .093 | .118±.005 |
| 553-0714-300F | BI-COLOR RED/GREEN | BI-COLOR YELLOW/GREEN | .093 | .118±.005 |
| 553-0741-300F | BI-COLOR YELLOW/GREEN | BI-COLOR RED/GREEN | .093 | .118±.005 |
| 553-0744-300F | BI-COLOR YELLOW/GREEN | BI-COLOR YELLOW/GREEN | .093 | .118±.005 |
| 553-2211-300F | RED TINTED NON-DIFFUSED | RED TINTED NON-DIFFUSED | .087 | .115±.010 |
| 553-2222-300F | GREEN TINTED NON-DIFFUSED | GREEN TINTED NON-DIFFUSED | .087 | .115±.010 |
| 553-2223-300F | GREEN TINTED NON-DIFFUSED | YELLOW TINTED NON-DIFFUSED | .087 | .115±.010 |
| 553-2232-300F | YELLOW TINTED NON-DIFFUSED | GREEN TINTED NON-DIFFUSED | .087 | .115±.010 |
| 553-2233-300F | YELLOW TINTED NON-DIFFUSED | YELLOW TINTED NON-DIFFUSED | .087 | .115±.010 |

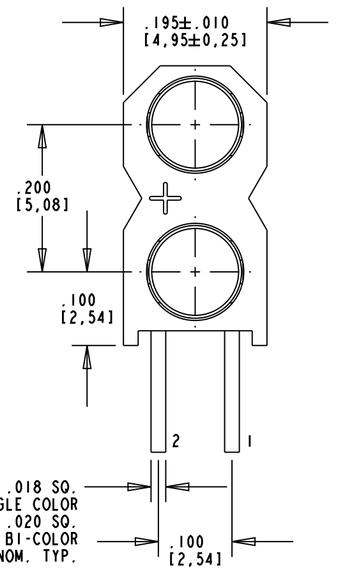
| REV | ECN NO | REVISIONS | DRN | CKD | APP | DATE |
|---|---|---|---|---|---|---|
| A | ——— | NEW RELEASE | TWC | ——— | ——— | ——— |
| B | ——— | ADDED P/N 553-2232-300F & DUAL DIMENSIONS; UPDATED NOTES; DELETED BACK VIEW. | AJF | KLJ | NO | 9-29-10 |

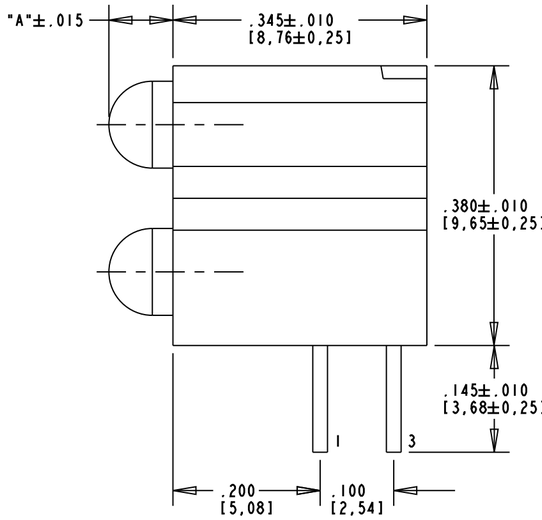
NOTES:

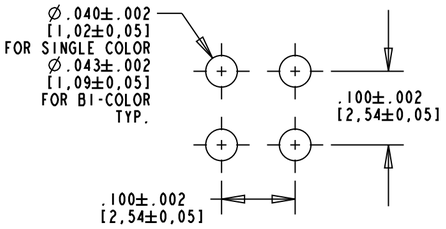
1. LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
2. LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
3. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
4. DIALIGHT PART NUMBERS: 553-XXXX-300F.
5. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



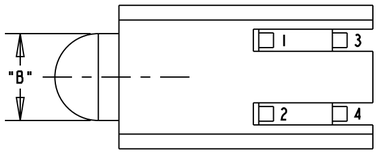




RECOMMENDED HOLE PATTERN GAUGE




| 10 mA NON-DIFFUSED LED [ OPERATING CHARACTERISTICS AT 25°C ] | | | | | | |
|---|---|---|---|---|---|---|
| CHARACTERISTICS | COLOR | MIN | TYP | MAX | UNITS | TEST CONDITIONS |
| LUMINOUS INTENSITY | RED | 8.7 | 29 | | mcd | $I_F$ = 10 mA |
| | YELLOW | 10 | 50 | | | |
| | GREEN | 32 | 50 | | | |
| FORWARD VOLTAGE | RED | | 2.0 | 2.8 | V | $I_F$ = 10 mA |
| | YELLOW | | 2.1 | 2.8 | | |
| | GREEN | | 2.1 | 2.8 | | |
| REVERSE VOLTAGE | RED | 5 | | | V | $I_R$ = 100 µA |
| | YELLOW | 5 | | | | |
| | GREEN | 5 | | | | |
| PEAK WAVELENGTH | RED | | 635 | | nm | MEASURED AT PEAK |
| | YELLOW | | 585 | | | |
| | GREEN | | 565 | | | |

| 10 mA DIFFUSED LED [ OPERATING CHARACTERISTICS AT 25°C ] | | | | | | |
|---|---|---|---|---|---|---|
| CHARACTERISTICS | COLOR | MIN | TYP | MAX | UNITS | TEST CONDITIONS |
| LUMINOUS INTENSITY | RED | 3.6 | 10 | | mcd | $I_F$ = 10 mA |
| | YELLOW | 2.2 | 6.3 | | | |
| | GREEN | 5.6 | 16 | | | |
| | BLUE | 6.3 | | 20 | | |
| | ORANGE | 3.4 | 7.0 | | | |
| FORWARD VOLTAGE | RED | | 2.0 | 3.0 | V | $I_F$ = 10 mA |
| | YELLOW | | 2.1 | 3.0 | | |
| | GREEN | | 2.1 | 3.0 | | |
| | BLUE | | 3.5 | 4.2 | | |
| | ORANGE | 1.5 | 2.2 | 3.0 | | |
| REVERSE VOLTAGE | RED | 3 | | | V | $I_R$ = 10 µA |
| | YELLOW | 3 | | | | |
| | GREEN | 3 | | | | |
| | BLUE | 3 | | | | |
| | ORANGE | 5 | | | | $I_R$ = 100 µA |
| PEAK WAVELENGTH | RED | | 650 | | nm | MEASURED AT PEAK |
| | YELLOW | | 585 | | | |
| | GREEN | | 563 | | | |
| | BLUE | | 428 | | | |
| | ORANGE | | 600 | | | |

| BI-COLOR LED [ OPERATING CHARACTERISTICS AT 25°C ] | | | | | | |
|---|---|---|---|---|---|---|
| CHARACTERISTICS | COLOR | MIN | TYP | MAX | UNITS | TEST CONDITIONS |
| LUMINOUS INTENSITY | YELLOW GREEN | 2.5 | 4.3 6.3 | | mcd | $I_F$ = 10 mA |
| | RED GREEN | 2.5 3.7 | 4.7 10.0 | | | |
| FORWARD VOLTAGE | YELLOW GREEN | | 2.1 | 2.8 | mA | $I_F$ = 10 mA |
| | RED GREEN | | 2.0 2.1 | 2.8 | | |
| PEAK WAVELENGTH | YELLOW GREEN | | 585 565 | | nm | MEASURED AT PEAK |
| | RED GREEN | | 635 565 | | | |

| 2 mA NON-DIFFUSED LED [ OPERATING CHARACTERISTICS AT 25°C ] | | | | | | |
|---|---|---|---|---|---|---|
| CHARACTERISTICS | COLOR | MIN | TYP | MAX | UNITS | TEST CONDITIONS |
| LUMINOUS INTENSITY | RED | 1.0 | 1.6 | | mcd | $I_F$ = 2 mA |
| | YELLOW | 1.0 | 1.6 | | | |
| | GREEN | 1.0 | 1.6 | | | |
| FORWARD VOLTAGE | RED | | 1.7 | 2.2 | V | $I_F$ = 2 mA |
| | YELLOW | | 1.8 | 2.7 | | |
| | GREEN | | 1.9 | 2.2 | | |
| REVERSE VOLTAGE | RED | 5 | | | V | $I_R$ = 50 µA |
| | YELLOW | 5 | | | | |
| | GREEN | 5 | | | | |
| PEAK WAVELENGTH | RED | | 635 | | nm | MEASURED AT PEAK |
| | YELLOW | | 585 | | | |
| | GREEN | | 565 | | | |

| 5 V INTEGRAL RESISTOR LED [ OPERATING CHARACTERISTICS AT 25°C ] | | | | | | |
|---|---|---|---|---|---|---|
| CHARACTERISTICS | COLOR | MIN | TYP | MAX | UNITS | TEST CONDITIONS |
| LUMINOUS INTENSITY | RED | 8.7 | 29 | | mcd | $V_F$ = 5 V |
| | YELLOW | 3.7 | 12.6 | | | |
| | GREEN | 5.6 | 19 | | | |
| FORWARD CURRENT | RED | | 10 | 20 | mA | $V_F$ = 5 V |
| | YELLOW | | 10 | 20 | | |
| | GREEN | | 10 | 20 | | |
| REVERSE VOLTAGE | RED | 5 | | | V | $I_R$ = 100 µA |
| | YELLOW | 5 | | | | |
| | GREEN | 5 | | | | |
| PEAK WAVELENGTH | RED | | 635 | | nm | MEASURED AT PEAK |
| | YELLOW | | 585 | | | |
| | GREEN | | 565 | | | |

ATTENTION:
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

## RoHS Compliant 553-XXXX-300F Thru hole Bi-level CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 553-0112-300F
The bag 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.

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: 6.000
ALL DIM'S IN: INCHES (MM)
TOLERANCES: UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.02
DECIMALS (.XXX): ±.015
ANGLES: ±1°
FINISH:
FSCM 83330

DRAWING NUMBER C-17297
REV B
TITLE 3mm BI-LEVEL LED CBI RoHS COMPLIANT
MATERIAL

Dialight
1501 ROUTE 34 SOUTH
FARMINGDALE, NJ 07727

SHEET 1 OF 1
FAMILY TABLE:

LifeElectronics
Живое партнерство

**ООО «ЛайфЭлектроникс»** **“LifeElectronics” LLC**

*ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703*

*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.*

*Тел: +7 (812) 336 43 04 (многоканальный)*
*Email: org@lifeelectronics.ru*

***www.lifeelectronics.ru***