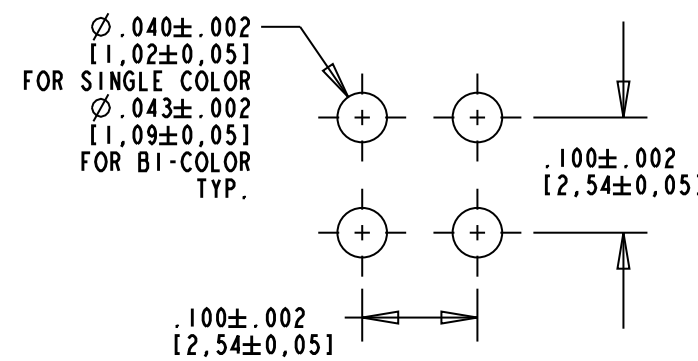
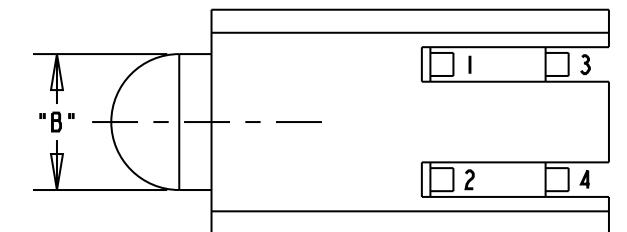
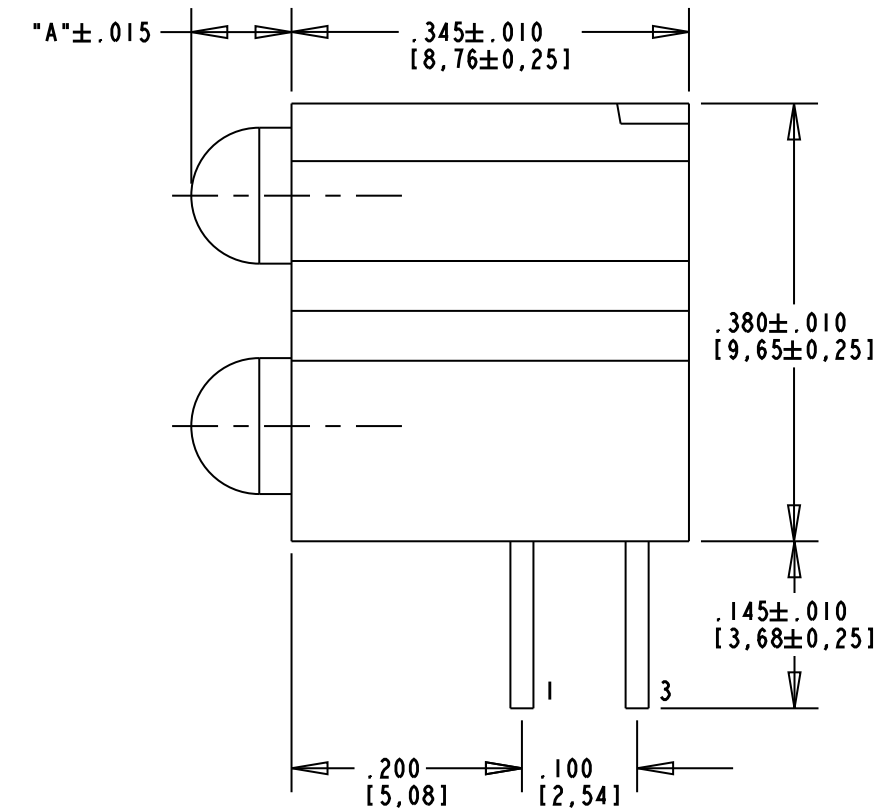
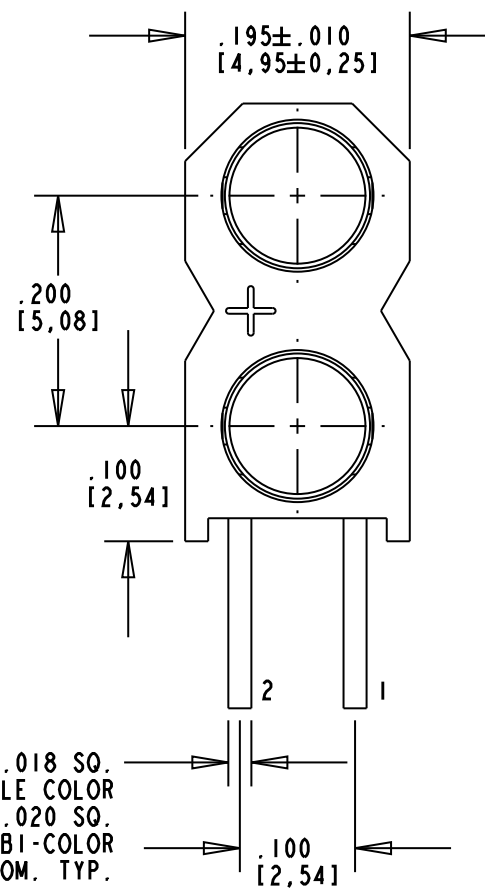


| DIALIGHT PART NUMBER | LED COLOR                  |                            | DIM "A" | DIM "B"   |
|----------------------|----------------------------|----------------------------|---------|-----------|
|                      | POSITION 1                 | POSITION 2                 |         |           |
| 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 |

NOTES:

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



| 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 <sub>f</sub> = 10 mA  |
|  | YELLOW | 10  | 50  |     |       |                         |
|  | GREEN  | 32  | 50  |     |       |                         |
| FORWARD VOLTAGE  | RED    | 2.0 | 2.8 |     | V     | I <sub>f</sub> = 10 mA  |
|  | YELLOW | 2.1 | 2.8 |     |       |                         |
|  | GREEN  | 2.1 | 2.8 |     |       |                         |
| REVERSE VOLTAGE  | RED    | 5   |     |     | V     | I <sub>r</sub> = 100 µA |
|  | YELLOW | 5   |     |     |       |                         |
|  | GREEN  | 5   |     |     |       |                         |
| PEAK WAVELENGTH  | RED    | 635 |     |     | nm    | MEASURED AT PEAK        |
|  | YELLOW | 585 |     |     |       |                         |
|  | GREEN  | 565 |     |     |       |                         |

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

| 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 <sub>f</sub> = 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 <sub>f</sub> = 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 <sub>r</sub> = 10 µA |
|  | YELLOW | 3   |     |     |       |                        |
|  | GREEN  | 3   |     |     |       |                        |
|  | BLUE   | 3   |     |     |       |                        |
|  | ORANGE | 5   |     |     |       |                        |
| PEAK WAVELENGTH  | RED    | 650 |     |     | nm    | MEASURED AT PEAK       |
|  | YELLOW | 585 |     |     |       |                        |
|  | GREEN  | 563 |     |     |       |                        |
|  | BLUE   | 428 |     |     |       |                        |
|  | ORANGE | 600 |     |     |       |                        |

| 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 <sub>f</sub> = 2 mA  |
|   | YELLOW | 1.0 | 1.6 |     |       |                        |
|   | GREEN  | 1.0 | 1.6 |     |       |                        |
| FORWARD VOLTAGE   | RED    | 1.7 | 2.2 |     | V     | I <sub>f</sub> = 2 mA  |
|   | YELLOW | 1.8 | 2.7 |     |       |                        |
|   | GREEN  | 1.9 | 2.2 |     |       |                        |
| REVERSE VOLTAGE   | RED    | 5   |     |     | V     | I <sub>r</sub> = 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 <sub>f</sub> = 5 V    |
|   | YELLOW | 3.7 | 12.6 |     |       |                         |
|   | GREEN  | 5.6 | 19   |     |       |                         |
| FORWARD CURRENT   | RED    | 10  | 20   |     | mA    | V <sub>f</sub> = 5 V    |
|   | YELLOW | 10  | 20   |     |       |                         |
|   | GREEN  | 10  | 20   |     |       |                         |
| REVERSE VOLTAGE   | RED    | 5   |      |     | V     | I <sub>r</sub> = 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.

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|  |                      |  |
|--|----------------------|--|
| SCALE: 6.000                           | DRAWING NUMBER       | REV  |
| ALL DIM'S IN: INCHES (MM)              | C-17297              | B  |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED | TITLE                |  |
| FRACTIONS (.1/64)                      | 3mm BI-LEVEL LED CBI |  |
| DECIMALS (.XX): ±.02                   | RoHS COMPLIANT       |  |
| DECIMALS (.XXX): ±.015                 | MATERIAL             |  |
| ANGLES: ±1°                            |                      |  |
| FINISH:                                |                      |  |
| FSCM 83330                             | Dialight             | 1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727 |
|  | SHEET 1 OF 1         | FAMILY TABLE:                                |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.