| DIALIGHT PART NUMBER | LED COLOR | |
|---|---|---|
| | POSITION 1 | POSITION 2 |
| 553-0701F | ** BLANK ** | RED / GREEN |
| 553-0704F | ** BLANK ** | YELLOW / GREEN |
| 553-0711F | RED / GREEN | RED / GREEN |
| 553-0714F | RED / GREEN | YELLOW / GREEN |
| 553-0715F | RED / GREEN | RED / YELLOW |
| 553-0740F | YELLOW / GREEN | ** BLANK ** |
| 553-0741F | YELLOW / GREEN | RED / GREEN |
| 553-0744F | YELLOW / GREEN | YELLOW / GREEN |
| 553-0745F | YELLOW / GREEN | RED / YELLOW |
| 553-0751F | RED / YELLOW | RED / GREEN |
| 553-0754F | RED / YELLOW | YELLOW / GREEN |

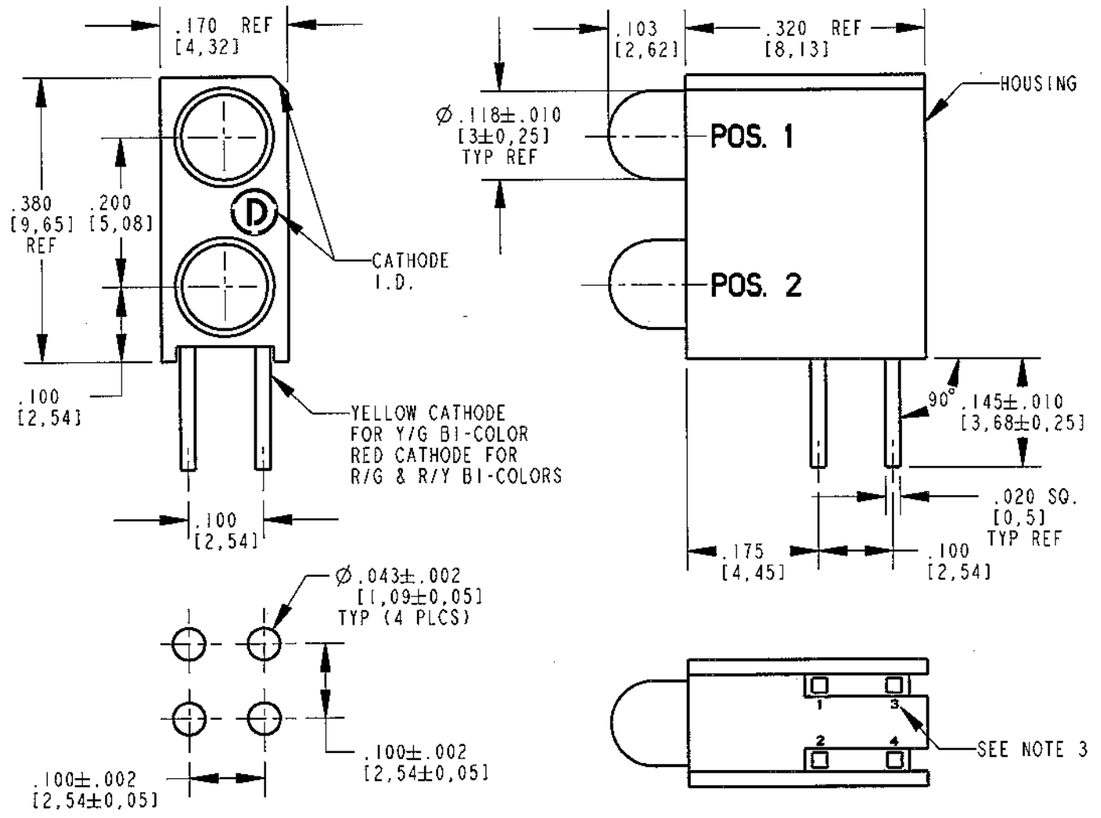
# RoHS COMPLIANT 553-07XXF

Part Numbers with the "F" suffix ending are RoHS Compliant.
For example: 553-0744F
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.

| REV | ECN NO | REVISIONS | DRN | CKD | APP | DATE |
|---|---|---|---|---|---|---|
| A | —— | NEW RELEASE | TWC | N.O. | TC | 6-7-06 |
| B | —— | ADDED P/N'S 553-0715F, 553-0745F; REMOVED REV TABLE, ADDED METRIC DIMENSIONS, REMOVED NOTE 2. | KLJ | N.O. | MES | 12-3-08 |
| C | —— | ADDED P/N'S 553-0751F, 553-0754F | KLJ | FN | RB | 1-5-09 |

NOTES:

1. LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
2. LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
3. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
4. DIALIGHT PART NUMBERS: 553-07XXF
5. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



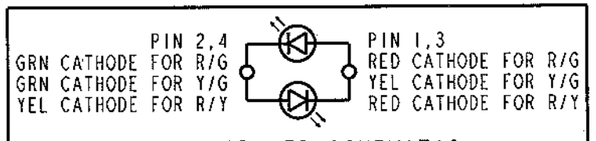

RECOMMENDED HOLE PATTERN GAUGE

## OPERATING CHARACTERISTICS AT 25°C AMBIENT

| LED | COLOR | LUMINOUS INTENSITY TEST CONDITION | LUMINOUS INTENSITY (mcd) | | | FORWARD VOLTAGE @IF = 20 mA (V) | | REVERSE CURRENT (μA) | DOMINANT WAVELENGTH (nm) | | | PEAK WAVELENGTH (nm) | VIEWING ANGLE (DEG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | MIN | TYP | MAX | TYP | MAX | MAX | MIN | TYP | MAX | TYP | TYP |
| R/G DIFFUSED BI-COLOR LED | RED | IF = 10mA | 2.5 | 4.7 | 15 | 2.0 | 2.8 | 100 | 630 | 635 | 640 | 635 | 60 |
| | GREEN | IF = 10mA | 3.7 | 10.0 | 20 | 2.1 | 2.8 | 100 | 563 | 569 | 572 | 565 | 60 |
| Y/G DIFFUSED BI-COLOR LED | YELLOW | IF = 10mA | 2.5 | 4.3 | 15 | 2.1 | 2.8 | 100 | 583 | 586 | 589 | 585 | 80 |
| | GREEN | IF = 10mA | 2.5 | 6.3 | 15 | 2.1 | 2.8 | 100 | 563 | 569 | 572 | 565 | 80 |
| R/Y DIFFUSED BI-COLOR LED | RED | IF = 20mA | 1.7 | 5.6 | —— | 2.0 | 2.8 | 100 | —— | —— | —— | 630 | 80 |
| | YELLOW | IF = 20mA | 1.7 | 5.6 | —— | 2.1 | 2.8 | 100 | —— | —— | —— | 585 | 80 |

| ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT | R/G BI-COLOR | | Y/G BI-COLOR | | R/Y BI-COLOR | | UNITS |
|---|---|---|---|---|---|---|---|
| | RED | GREEN | YELLOW | GREEN | RED | YELLOW | |
| POWER DISSIPATION | 100 | 100 | 60 | 100 | 100 | 60 | mW |
| CONTINUOUS FORWARD CURRENT | 30 | 30 | 20 | 30 | 30 | 20 | mA |
| PEAK FORWARD CURRENT | 120 | 120 | 80 | 120 | 120 | 80 | mA |
| DERATE LINEARLY FROM 50°C | 0.4 | 0.4 | 0.25 | 0.4 | —— | —— | mA/°C |
| REVERSE VOLTAGE | 5 | | | | | | V |
| STORAGE TEMPERATURE | -55 TO +100 | | | | | | °C |
| OPERATING TEMPERATURE | -55 TO +100 | | | | | | °C |
| SOLDERING TEMPERATURE, FOR 5 SEC | 260 | | | | | | °C |

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




BI-COLOR LED SCHEMATIC

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SCALE: 5.000
ALL DIM'S IN: INCHES (MM)
TOLERANCES:
UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.02
DECIMALS (.XXX): ±.015
ANGLES: ±3°
FINISH:

DRAWING NUMBER: C-17409
REV: C
TITLE: 3mm BI-LEVEL CBI RoHS COMPLIANT
MATERIAL:

Dialight
1501 ROUTE 34 SOUTH
FARMINGDALE, NJ 07727

FSCM 83330
SHEET 1 OF 1
FAMILY TABLE: