



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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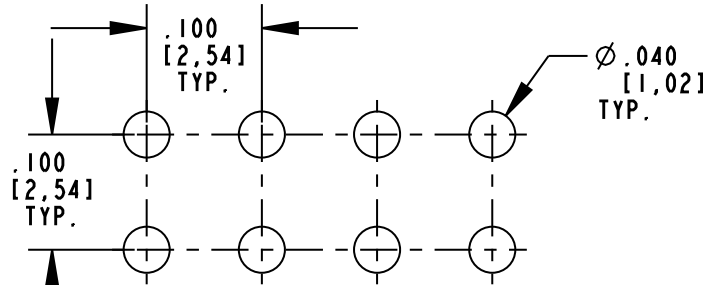
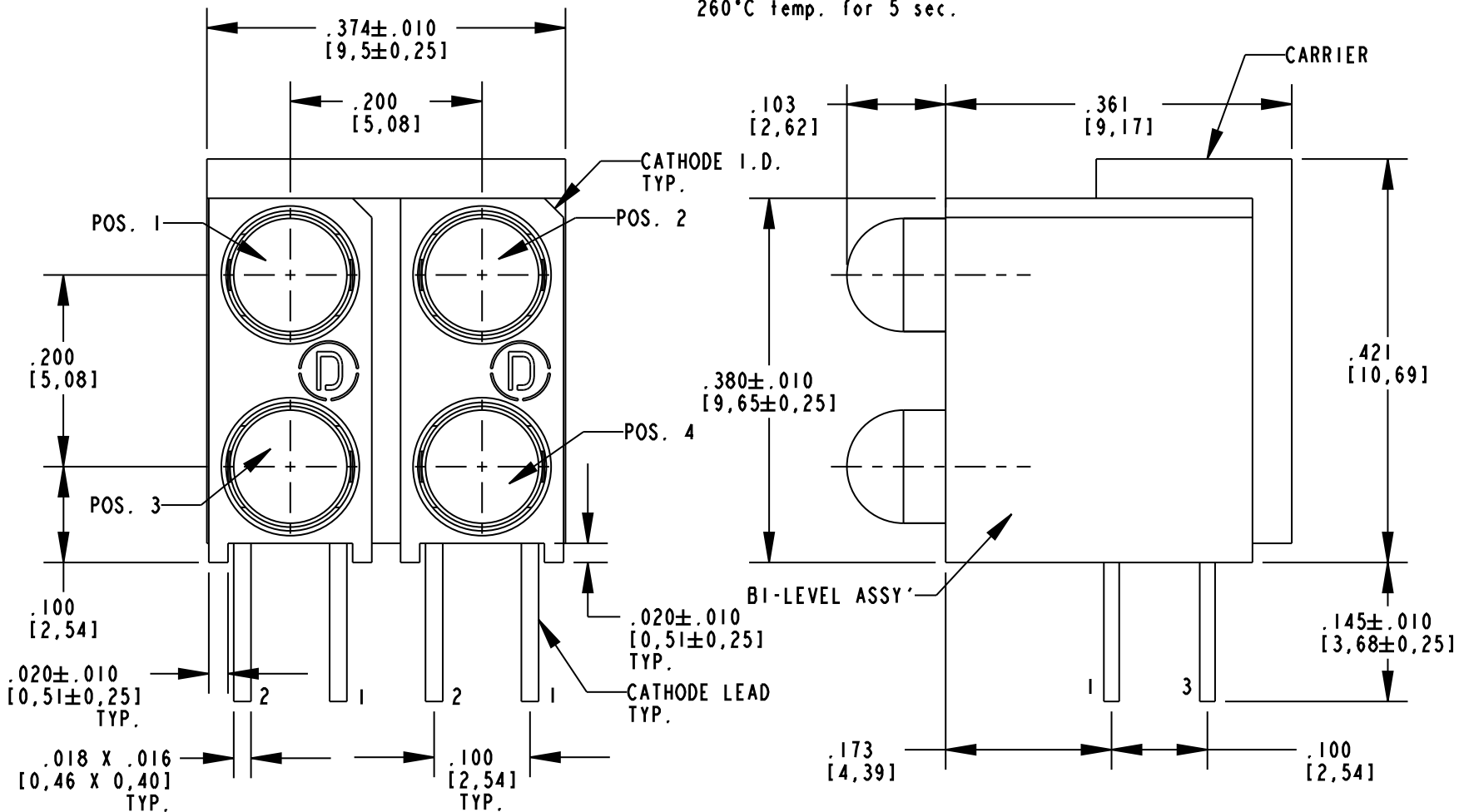


| LED COLOR | | | |
|------------|------------|------------|------------|
| POSITION 1 | POSITION 2 | POSITION 3 | POSITION 4 |
| GREEN | GREEN | RED | YELLOW |

RoHS COMPLIANT 553-0004-810F

Part Numbers with the "F" suffix ending are RoHS Compliant. 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 | AJF | KLJ | NO | 4-5-10 |



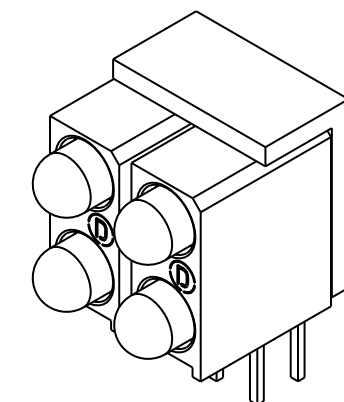
TOLERANCES: ±.002
(NON-ACCUMULATIVE)
RECOMMENDED HOLE PATTERN GAUGE

NOTES:

- LED EPOXY COLOR: TINTED, NON-DIFFUSED.
- 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 NUMBER: 553-0004-810F.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

| OPERATING CHARACTERISTICS AT 25°C AMBIENT | | | | | | |
|---|-----------|------|------|------|---------|------------------------|
| LED CHARACTERISTICS | LED COLOR | MIN. | TYP. | MAX. | UNITS | TEST CONDITIONS |
| LUMINOUS INTENSITY | GREEN | 32.0 | 50.0 | | mcd | I _f = 10 mA |
| | RED | 8.7 | 30.0 | | | |
| | YELLOW | 10.0 | | 50.0 | | |
| PEAK WAVELENGTH | GREEN | | 565 | | nm | |
| | RED | | 635 | | | |
| | YELLOW | | 585 | | | |
| FORWARD VOLTAGE | GREEN | | 2.1 | 2.8 | V | I _f = 20 mA |
| | RED | | 2.0 | 2.8 | | |
| | YELLOW | | 2.1 | 2.8 | | |
| REVERSE CURRENT | ALL | | | 100 | μA | V _r = 5 V |
| VIEWING ANGLE | ALL | | 45 | | DEGREES | |

| ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT | | | | GREEN | RED | YELLOW | UNITS |
|---|--|--|--|-------------|------|--------|-------|
| POWER DISSIPATION | | | | 100 | 100 | 60 | mW |
| DERATE LINEARLY FROM 50°C | | | | 0.40 | 0.40 | 0.25 | mA/°C |
| CONTINUOUS FORWARD CURRENT | | | | 30 | 30 | 20 | mA |
| PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH) | | | | 120 | 120 | 80 | mA |
| REVERSE VOLTAGE | | | | 5 | | | V |
| LEAD SOLDERING TEMPERATURE (1/16" FROM BODY) FOR 5 SEC. | | | | 260 | | | °C |
| OPERATING TEMPERATURE | | | | -55 TO +100 | | | °C |
| STORAGE TEMPERATURE | | | | -55 TO +100 | | | °C |



SCALE 3.000



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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| | | |
|--|---|---------------|
| SCALE: 6.000 | DRAWING NUMBER | REV |
| ALL DIM'S IN: INCHES (MM) | C-17838 | A |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED | TITLE | |
| FRACTIONS: ±1/64 | 2 X 2 BI-LEVEL CBI ARRAY | |
| DECIMALS (.XX): ±.02 | MATERIAL | |
| DECIMALS (.XXX): ±.015 | - | |
| ANGLES: ±3° | Dialight | |
| FINISH: | 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 | |
| FSCM 83330 | SHEET 1 OF 1 | FAMILY TABLE: |