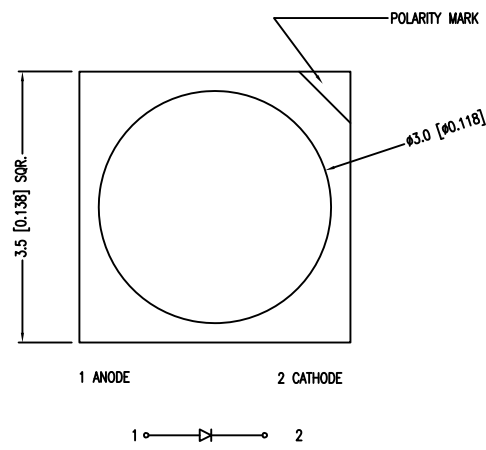
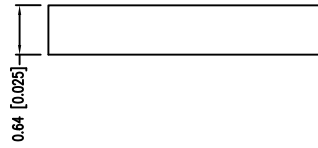


| ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=150mA |                            |      |     |      |       |           |
|--------------------------------------------------|----------------------------|------|-----|------|-------|-----------|
| PARAMETER                                        | SYMBOL                     | MIN  | TYP | MAX  | UNITS | TEST COND |
| PEAK WAVELENGTH                                  |                            |      | -   |      | nm    |           |
| FORWARD VOLTAGE                                  | Vf                         | 5.9  |     | 6.3  | V     | If=120mA  |
| REVERSE VOLTAGE                                  | Vr                         | 5.0  |     |      | V     | Ir=10uA   |
| LUMINOUS FLUX                                    | LM                         |      | 102 |      | lm    | If=120mA  |
| COLOR TEMP.                                      |                            | 3640 |     | 4150 | K     |           |
| EMITTED COLOR:                                   | NEUTRAL WHITE              |      |     |      |       |           |
| LENS FINISH:                                     | WATER CLEAR SILICONE RESIN |      |     |      |       |           |

| LIMITS OF SAFE OPERATION AT 25°C |             |       |
|----------------------------------|-------------|-------|
| PARAMETER                        | MAX         | UNITS |
| PEAK FORWARD CURRENT*            | 350         | mA    |
| STEADY CURRENT                   | 240         | mA    |
| POWER DISSIPATION                | 600         | mW    |
| DERATE FROM 25°C                 | -1.2        | mW/°C |
| OPERATING TEMP.                  | -40 TO +85  | °C    |
| STORAGE TEMP.                    | -40 TO +100 | °C    |

\*1. 1/8 DUTY@1KHz.

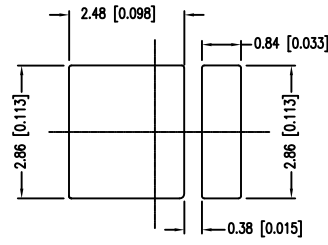
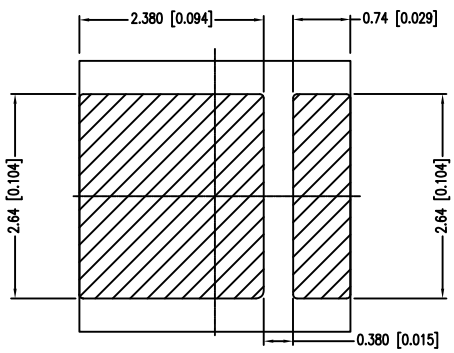
| THERMAL PARAMETERS                    |     |           |
|---------------------------------------|-----|-----------|
| PARAMETER                             | TYP | MAX UNITS |
| JUNCTION TEMPERATURE                  |     | 115 °C    |
| THERMAL RESISTANCE (JUNCTION/AMBIENT) |     | 13 °C/W   |



RECOMMENDED SOLDER PAD LAYOUT

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 1 STANDARDS



BOTTOM VIEW

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +DECIMAL PRECISION -0.00 -DECIMAL PRECISION UNCONTROLLED DOCUMENT



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3.5mm X 3.5mm 1W SURFACE MOUNT LED, NEUTRAL WHITE, TAPE AND REEL.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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PAGE: 1 OF 2  
SCALE: NTS  
UNIT: mm [INCH]

DRAWN BY: MJK  
CHKD BY:  
APRVD BY:  
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