

ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA

| PARAMETER | MIN | TYP. | MAX | UNITS | TEST COND |
|--------------------|-------------|------|------|----------|-----------|
| FORWARD VOLTAGE | 2.90 | | 3.60 | Vf | If=20mA |
| REVERSE VOLTAGE | 5.0 | | | Vr | Ir=50µA |
| AXIAL INTENSITY | 1600 | | 2200 | mcd | If=20mA |
| CHROMATICITY (X) | | 0.45 | | | |
| COORDINATES (Y)* | | 0.41 | | | If=20mA |
| COLOR TEMP. | | 2700 | | K | |
| VIEWING ANGLE | | 120 | | 2x theta | |
| EMITTED COLOR: | WARM WHITE | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |

*THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | SYMBOL | MAX | UNITS |
|-----------------------|------------------|------------|-------|
| PULSE FORWARD CURRENT | I _P | 100 | mA |
| STEADY CURRENT | I _F | 30 | mA |
| POWER DISSIPATION | P _D | 110 | mW |
| OPERATING TEMP. | T _{OPR} | -40 TO +85 | °C |
| STORAGE TEMP. | T _{STG} | -40 TO +90 | °C |

*DUTY 1/10 PULSE WIDTH 10ms

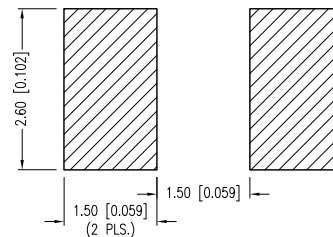
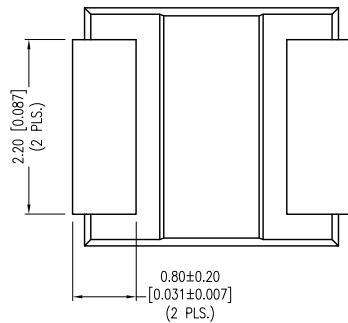
A CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

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

CHROMATICITY COORDINATES (CIE) If=20mA

| X | Y |
|--------|--------|
| 0.4688 | 0.4290 |
| 0.4562 | 0.4260 |
| 0.4468 | 0.4077 |
| 0.4585 | 0.4104 |

RECOMMENDED SOLDER PAD LAYOUT



*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.= +0.00 -DECIMAL PRECISION



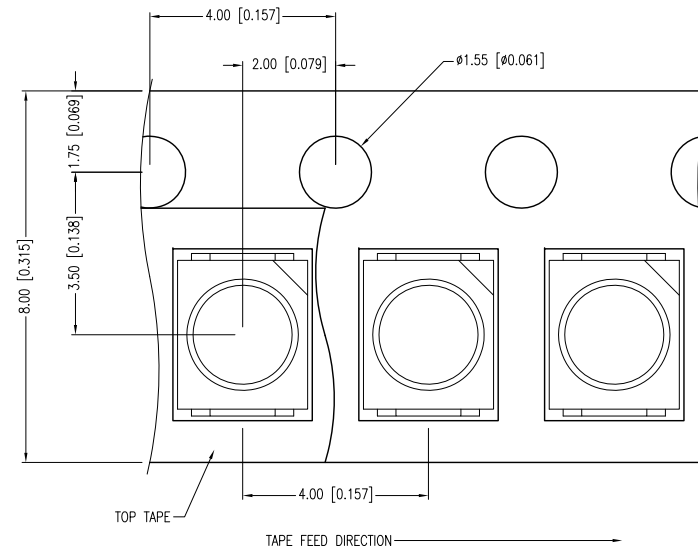
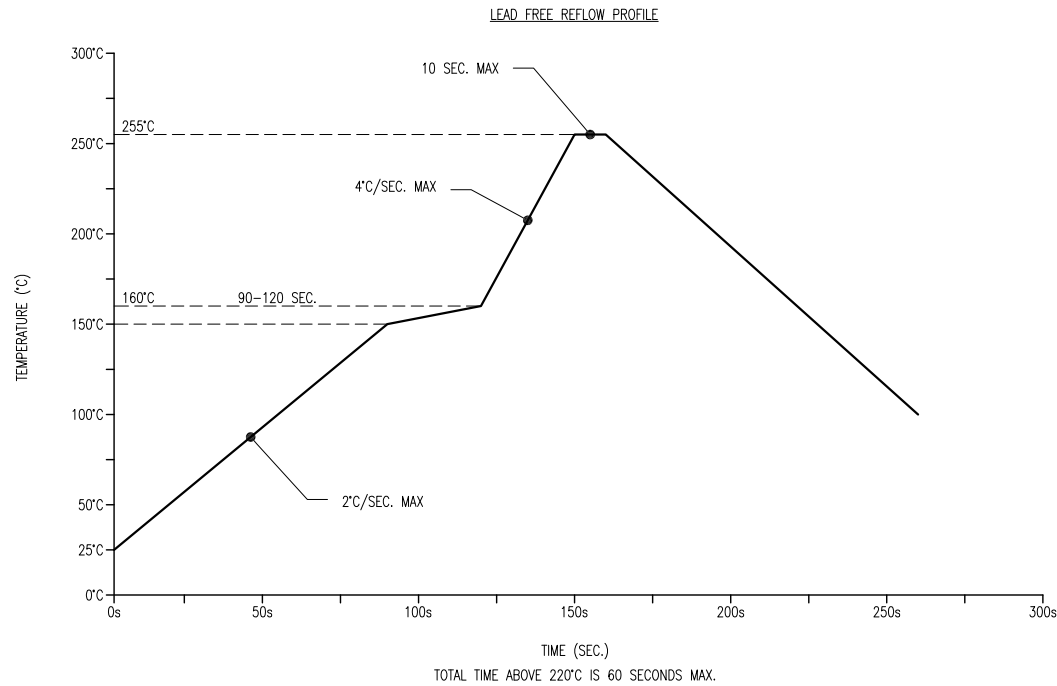
290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM
MEMBER OF ITW PHOTONICS GROUP

2.8mm X 3.2mm SML /W REFLECTOR, WARM WHITE LED, WATER CLEAR LENS, 2,000 PCS PER TAPE & 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 | CHKD BY: | DT |
| SCALE: | NTS | APRVD BY: | DT |
| UNIT: | mm [INCH] | | Ⓟ |



NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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