

| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$ | | | | |
|--|------------------|-----|------|----------------------------|
| PARAMETER | MIN | TYP | MAX | UNITS TEST COND |
| PEAK WAVELENGTH | | | | nm |
| FORWARD VOLTAGE | 2.7 | | 3.5 | V_f |
| REVERSE VOLTAGE | 5.0 | | | V_r $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | 2250 | | 4500 | mcd $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 120 | | $2x$ theta |
| EMITTED COLOR: | WHITE | | | |
| EPOXY LENS FINISH: | WATER CLEAR LENS | | | |

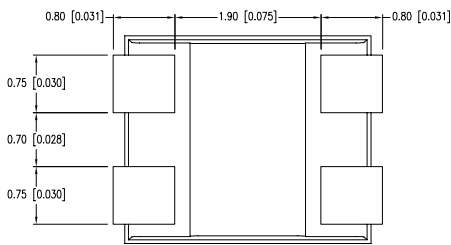
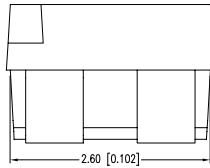
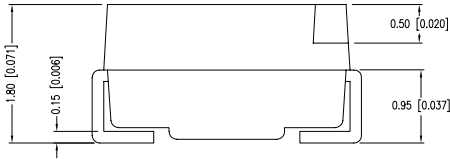
| LIMITS OF SAFE OPERATION AT 25°C PER CHIP | | |
|---|------------|----------|
| PARAMETER | MAX | UNITS |
| PEAK FORWARD CURRENT* | 100 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 110 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING TEMP. | -40 TO +85 | °C |
| STORAGE TEMP. | -40 TO +85 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | 3 | SEC. MAX |

* $t < 10\mu\text{s}$

NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. 2,000 PER REEL.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS



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



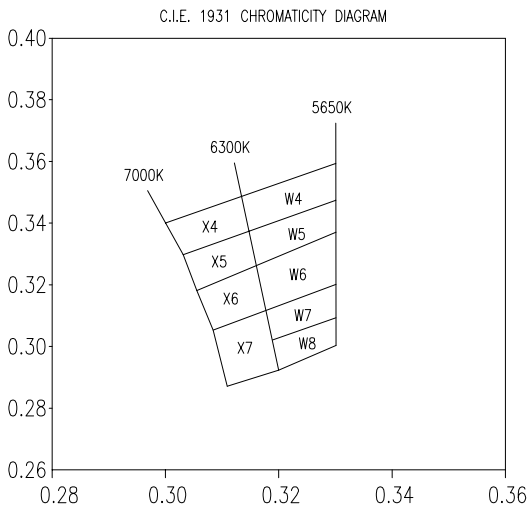
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2.8mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, ULTRA WHITE LED, WATER CLEAR LENS, 2k PER REEL.

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

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| UNIT: | mm [INCH] | | Ⓝ |



I_f = 20mA

| CCT | BIN CODE | CIE_x | CIE_y |
|-----------------|----------|--------|--------|
| 6300K ~7000K | X4 | 0.3010 | 0.3420 |
| | | 0.3140 | 0.3550 |
| | | 0.3150 | 0.3440 |
| | | 0.3030 | 0.3330 |
| | X5 | 0.3050 | 0.3220 |
| | | 0.3030 | 0.3330 |
| | | 0.3150 | 0.3440 |
| | | 0.3160 | 0.3330 |
| | X6 | 0.3080 | 0.3110 |
| | | 0.3050 | 0.3220 |
| | | 0.3160 | 0.3330 |
| | | 0.3170 | 0.3200 |
| | X7 | 0.3080 | 0.3110 |
| | | 0.3170 | 0.3200 |
| | | 0.3190 | 0.3000 |
| | | 0.3110 | 0.2930 |

I_f = 20mA

| CCT | BIN CODE | CIE_x | CIE_y |
|-----------------|----------|--------|--------|
| 5650K ~6300K | W4 | 0.3290 | 0.3690 |
| | | 0.3290 | 0.3570 |
| | | 0.3150 | 0.3440 |
| | | 0.3140 | 0.3550 |
| | W5 | 0.3290 | 0.3450 |
| | | 0.3160 | 0.3330 |
| | | 0.3150 | 0.3440 |
| | | 0.3290 | 0.3570 |
| | W6 | 0.3290 | 0.3450 |
| | | 0.3290 | 0.3310 |
| | | 0.3170 | 0.3200 |
| | | 0.3160 | 0.3330 |
| | W7 | 0.3290 | 0.3310 |
| | | 0.3290 | 0.3200 |
| | | 0.3180 | 0.3100 |
| | | 0.3170 | 0.3200 |
| | W8 | 0.3290 | 0.3200 |
| | | 0.3290 | 0.3100 |
| | | 0.3190 | 0.3000 |
| | | 0.3180 | 0.3100 |

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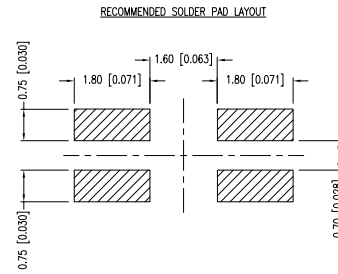
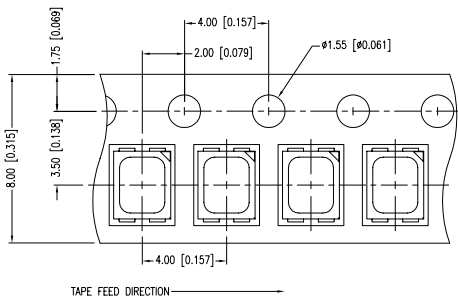
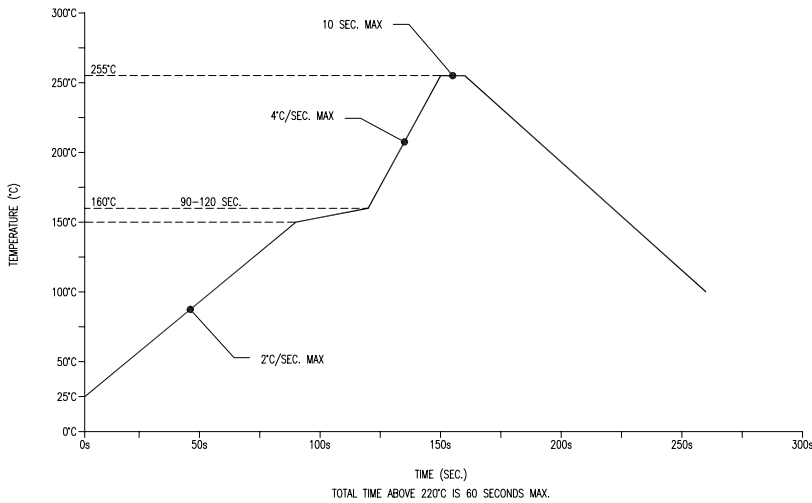
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LEAD FREE REFLOW PROFILE



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