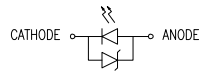
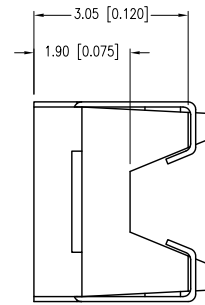
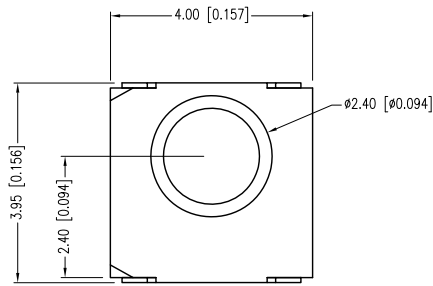


PRELIMINARY IN P/N DIR



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $I_f=20\text{mA}$

| PARAMETER | SYMBOL | MIN | TYP | MAX | UNITS | TEST COND |
|----------------------|--------|-------------|------|------|----------|---------------------|
| FORWARD VOLTAGE | V_f | 2.8 | 3.4 | 4.0 | V | $I_f=20\text{mA}$ |
| REVERSE VOLTAGE | V_r | 5.0 | | | V | $I_r=10\mu\text{A}$ |
| AXIAL INTENSITY (*1) | I_v | 1400 | 1600 | 1800 | mcd | $I_f=20\text{mA}$ |
| CHROMATICITY | X | | 0.33 | | | $I_f=20\text{mA}$ |
| COORDINATES (*2) | Y | | 0.31 | | | |
| VIEWING ANGLE | | | 120 | | 2x theta | |
| EMITTED COLOR: | | WHITE | | | | |
| LENS FINISH: | | WATER CLEAR | | | | |

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

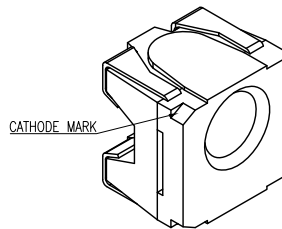
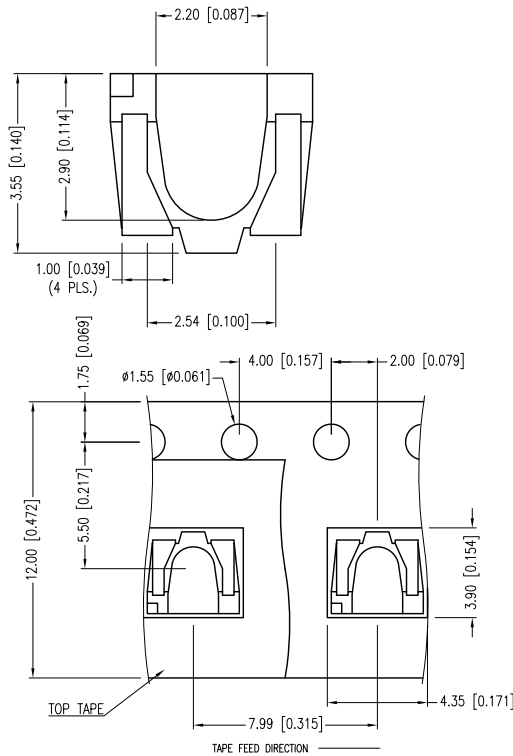
LIMITS OF SAFE OPERATION AT 25°C

| 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. |

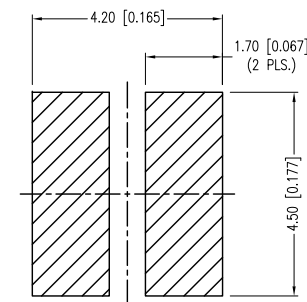
* $t < 10\mu\text{s}$

NOTES:

- 2000 PIECES PER REEL.



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



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RIGHT ANGLE BOOMERANG SURFACE MOUNT LED, ULTRA WHITE LED 1600mcd, WATER CLEAR.

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