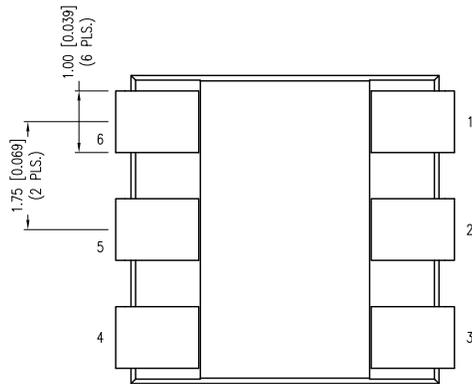
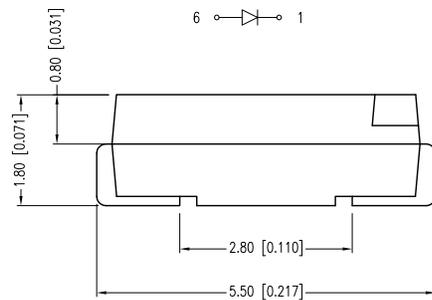


| ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=50\text{mA}$ | | | | | |
|--|-------------|------|------|----------|---------------------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 625 | | nm | |
| FORWARD VOLTAGE | | 2.3 | 3.0 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | $I_f=10\mu\text{A}$ |
| AXIAL INTENSITY | | 1650 | 2500 | mcd | $I_f=50\text{mA}$ |
| VIEWING ANGLE | | 120 | | 2x theta | |
| EMITTED COLOR: | ORANGE | | | | |
| LENS FINISH: | WATER CLEAR | | | | |

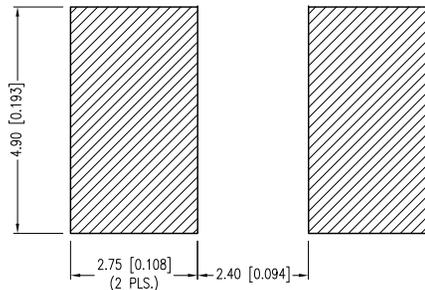
NOTE: VALUES ARE PER DIE.

| LIMITS OF SAFE OPERATION AT 25°C | | |
|----------------------------------|------------|-------|
| PARAMETER | MAX | UNITS |
| PEAK FORWARD CURRENT* | 125 | mA |
| STEADY CURRENT | 50 | mA |
| POWER DISSIPATION | 150 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING TEMP. | -40 TO +85 | °C |
| STORAGE TEMP. | -40 TO +85 | °C |

* $t < 10\mu\text{s}$
NOTE: VALUES ARE PER DIE.



RECOMMENDED SOLDER PAD LAYOUT



CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

*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



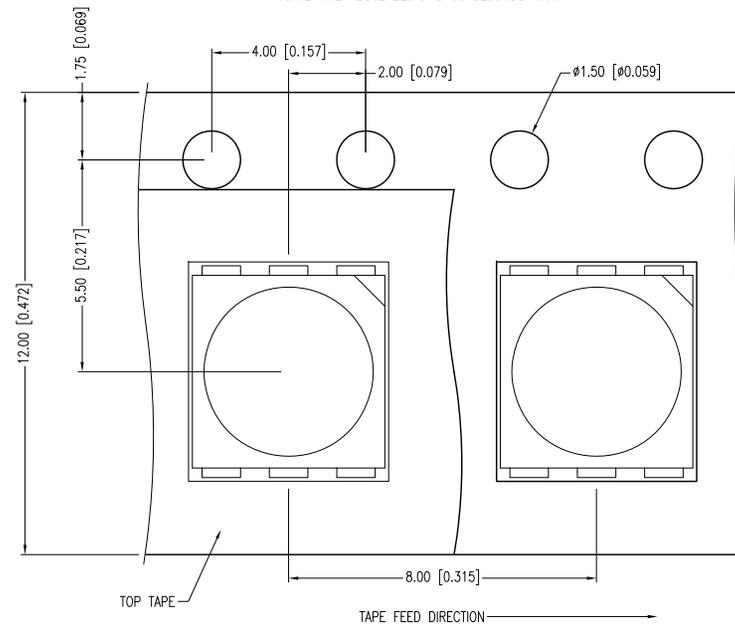
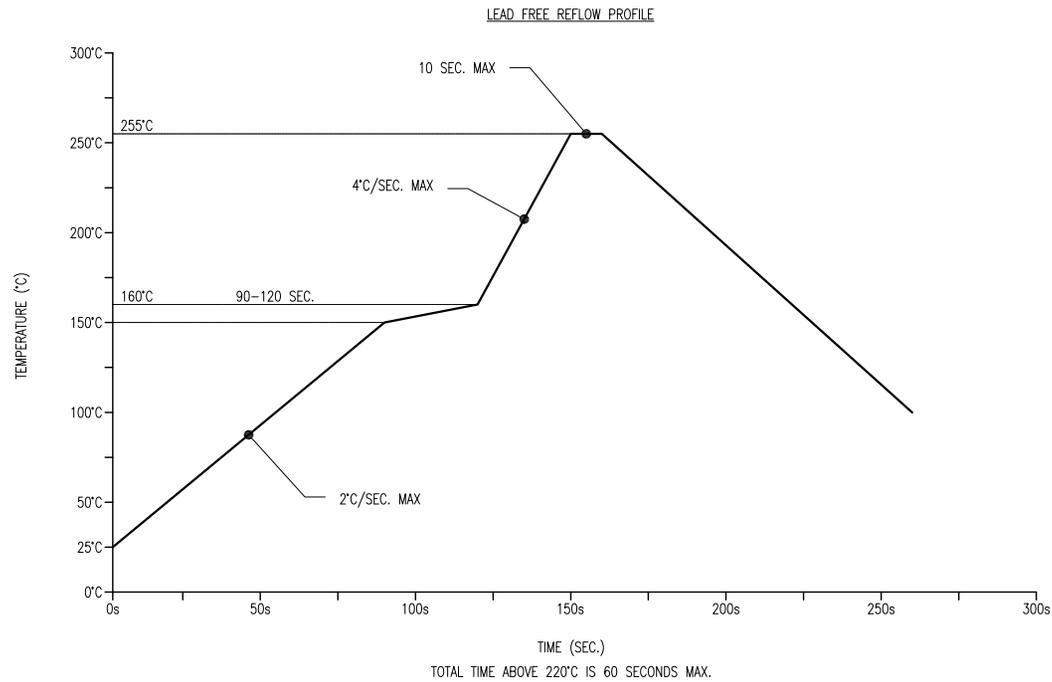
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MEMBER OF ITW PHOTONICS GROUP

5.0x5.0mm SML W/REFLECTOR, 625nm ORANGE, WATER CLEAR, 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.
2. 3,000 PIECES PER REEL.

*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} -0.00 MAX.= ^{+0.00} -DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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