



| ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C If = 20mA | | | | | |
|---|--------------|------|-----|---------|----------------|
| PARAMETER | MIN | TYP. | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | 353 | 355 | 360 | nm | |
| FORWARD VOLTAGE | | 3.6 | 4.2 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | Ir = 1 μ A |
| TOTAL POWER OUTPUT | | 0.3 | | mW | If = 20mA |
| VIEWING ANGLE | | 80 | | DEGREES | |
| EMITTED COLOR: | ULTRA VIOLET | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |

| LIMITS OF SAFE OPERATION AT 25°C | | |
|----------------------------------|-------------|-----------|
| PARAMETER | MAX | UNITS |
| PEAK FORWARD CURRENT* | 120 | mA |
| STEADY CURRENT | 20 | mA |
| POWER DISSIPATION | 84 | mW |
| OPERATING TEMP. | -40 TO +100 | °C |
| STORAGE TEMP. | -40 TO +100 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | 3 | SEC. MAX. |

*1/10 DUTY CYCLE AT 1kHz

| THERMAL PARAMETERS | | |
|----------------------------------|-------|-------|
| PARAMETER | VALUE | UNITS |
| MAXIMUM JUNCTION TEMPERATURE | 100 | °C |
| THERMAL RESISTANCE JUNCTION-AIR | 400 | °C/W |
| THERMAL RESISTANCE JUNCTION-CASE | 135 | °C/W |

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

*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}/_{-0.00} DECIMAL PRECISION



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355nm UV LED, TO-46 CAN PACKAGE.

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

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| DATE: | 04.26.11 | DRAWN BY: | AB |
| PAGE: | 1 OF 1 | CHKD BY: | KF |
| SCALE: | NTS | APRVD BY: | BC |
| UNIT: | mm [INCH] | | (Pb) |