



| ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ | | | $V_f=12\text{V}$ | | |
|--|--------------|-----|------------------|----------------|-----------------------------|
| PARAMETER | MIN | TYP | MAX | UNITS | UNITS |
| PEAK WAVELENGTH | | 635 | | nm | |
| FORWARD VOLTAGE | | 12 | 14 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | I _r =100 μ A |
| AXIAL INTENSITY | | 10 | | mcd | V _f =12V |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | RED DIFFUSED | | | | |

| LIMITS OF SAFE OPERATION AT 25°C | | |
|----------------------------------|------------|-----------|
| PARAMETER | MAX | UNITS |
| PEAK FORWARD VOLTAGE | 14 | V |
| STEADY CURRENT | 12 | mA |
| POWER DISSIPATION | 310 | mW |
| DERATE FROM 25°C | -0.7 | 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. |

*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.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION MAX.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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T-3 1/8mm (T-10) LED, 635nm RED, RED DIFFUSED LENS, 12V OPERATION.

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

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| DATE: | 07.26.11 | DRAWN BY: | AB |
| PAGE: | 1 OF 1 | CHKD BY: | BC |
| SCALE: | NTS | APRVD BY: | BC |
| UNIT: | mm [INCH] | | |

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