



| ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA | | | | | |
|--|-------------|-------|-----|----------|-----------|
| PARAMETER | MIN | TYP. | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 636 | | nm | |
| FORWARD VOLTAGE | 1.8 | 2.4 | 2.6 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | Ir=10µA |
| AXIAL INTENSITY | | 12000 | | mcd | If=20mA |
| VIEWING ANGLE | | 15 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |

| LIMITS OF SAFE OPERATION AT 25°C | | |
|----------------------------------|------------|-----------|
| PARAMETER | MAX | UNITS |
| PEAK FORWARD CURRENT* | 200 | mA |
| STEADY CURRENT | 50 | mA |
| POWER DISSIPATION | 120 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING TEMP. | -40 TO +80 | °C |
| STORAGE TEMP. | -40 TO +85 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | 3 | SEC. MAX. |

* t<10µS

*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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T-5mm (T-1 3/4) 636nm SUPER INTENSITY RED LED, WATER CLEAR LENS, 12000mcd.

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

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| DATE: | 12.13.13 | DRAWN BY: | MA |
| PAGE: | 1 OF 1 | CHKD BY: | DT |
| SCALE: | NTS | APRVD BY: | DT |
| UNIT: | mm [INCH] | | Ⓟ |