

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $V_f=14\text{V}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|--------------------|-----|-----|------------|----------------------|
| PEAK WAVELENGTH | | 590 | | nm | |
| FORWARD VOLTAGE | | 14 | 16 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 200 | | mcd | $V_f=14\text{V}$ |
| VIEWING ANGLE | | 50 | | $2x$ theta | |
| EMITTED COLOR: | YELLOW | | | | |
| EPOXY LENS FINISH: | YELLOW TRANSPARENT | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|----------------------------------|------------|------------------------|
| PEAK FORWARD VOLTAGE* | 16 | V |
| STEADY CURRENT | 11 | mA |
| POWER DISSIPATION | 176 | mW |
| DERATE FROM 25°C | -1.2 | mW/ $^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^{\circ}\text{C}$ |
| SOLDERING TEMP. | +260 | $^{\circ}\text{C}$ |
| 2.0mm FROM BODY | 3 | SEC. MAX |

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

NOTES:

- CUSTOMER PART NUMBER #28-6451.
- DIODE PART NUMBER #RR264M-400 (ROHM).
- DESCRIPTION: T 1-3/4 (5mm) LED WITH INTERNAL RESISTOR FOR 14V & DIODE ON FR4 WITH EXTERNAL DIODE FOR REVERSE VOLTAGE PROTECTION.
- CHARACTERISTICS:
 REVERSE VOLTAGE DC = 400 V.
 DOUBLE BATTERY JUMP = 24.5V FOR 3 MIN. @ 25°C .
 REVERSE BATTERY JUMP = 400V.
 INDUCTIVE TRANSIENT = +115V, -400V.

*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