

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-------------------|-------|-------------|-----|----------------|------------------------|
| PEAK WAVELENGTH | | 565 (GREEN) | | nm | |
| FORWARD VOLTAGE | | 2.1 | 2.8 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | |
| AXIAL INTENSITY | | 40 | | mcd | $I_r = 100\mu\text{A}$ |
| VIEWING ANGLE | | 60 | | 2x theta | $I_f = 20\text{mA}$ |
| EMITTED COLOR | GREEN | | | | |
| EPOXY LENS FINISH | GREEN | DIFFUSED | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.2 | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP | -40 TO +85 | $^\circ\text{C}$ |
| LEAD SOLDERING TEMP | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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| DATE: 6-24-96 | DWN: | CHK'D: | APP'D: |
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|------------|--|--|--|
| SCALE: N/A | | | |
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T-5 (T-1 3/4) FLANGELESS LED
SUPER GREEN, DIFFUSED LENS

Mouser Electronics

Authorized Distributor

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