

Features

- * SUPERBRIGHT RED AND ULTRABRIGHT RED
- * HIGH LIGHT OUTPUT
- * RELIABLE AND RUGGED
- * IC COMPATIBLE
- *
- *
- *
- *

Absolute Maximum Ratings at T_A=25°C

| | |
|---|-----------------|
| REVERSE VOLTAGE (<100 μA)..... | 4.0 V |
| D.C. FORWARD CURRENT | 30mA |
| PULSE CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH) | 100mA |
| OPERATING TEMPERATURE RANGE | -25°C TO +85°C |
| STORAGE TEMPERATURE RANGE | -25°C TO +100°C |
| LEAD SOLDERING TEMP. (1.6mm FROM BODY) | 260°C FOR 5 SEC |

Electrical/Optical Characteristics at T_A=25°C

| PART NUMBER | LED CHIP | | LEN'S COLOR | PEAK WAVELENGTH @20mA(nm) | FORWARD VOLTAGE @20mA(V) | | LUMINOUS INTENSITY @20mA(mcd) | | VIEW ANGLE 2θ _{1/2} (deg) |
|--------------|------------------|----------------|-------------|---------------------------|--------------------------|------|-------------------------------|------|------------------------------------|
| | MATERIAL | EMITTING COLOR | | | TYP. | MAX. | MIN. | TYP. | |
| LT0371-41 | GaAlAs ON GaAs | RED | R.D. | 660 | 1.7 | 2.2 | 108 | 180 | 54 |
| LT0372-41 | GaAlAs ON GaAs | RED | W.D. | 660 | 1.7 | 2.2 | 108 | 180 | 54 |
| LT0373-41 | GaAlAs ON GaAs | RED | W.C. | 660 | 1.7 | 2.2 | 360 | 600 | 46 |
| LT0374-41 | GaAlAs ON GaAs | RED | R.C. | 660 | 1.7 | 2.2 | 360 | 600 | 46 |
| LT0371-41-UR | GaAlAs ON GaAlAs | RED | R.D. | 660 | 1.9 | 2.5 | 210 | 350 | 54 |
| LT0372-41-UR | GaAlAs ON GaAlAs | RED | W.D. | 660 | 1.9 | 2.5 | 210 | 350 | 54 |
| LT0373-41-UR | GaAlAs ON GaAlAs | RED | W.C. | 660 | 1.9 | 2.5 | 720 | 1200 | 46 |
| LT0374-41-UR | GaAlAs ON GaAlAs | RED | R.C. | 660 | 1.9 | 2.5 | 720 | 1200 | 46 |

(1) LENS COLOR

R.D. RED DIFFUSED

W.D. WHITE DIFFUSED

R.C. RED CLEAR

W.C. WATER CLEAR

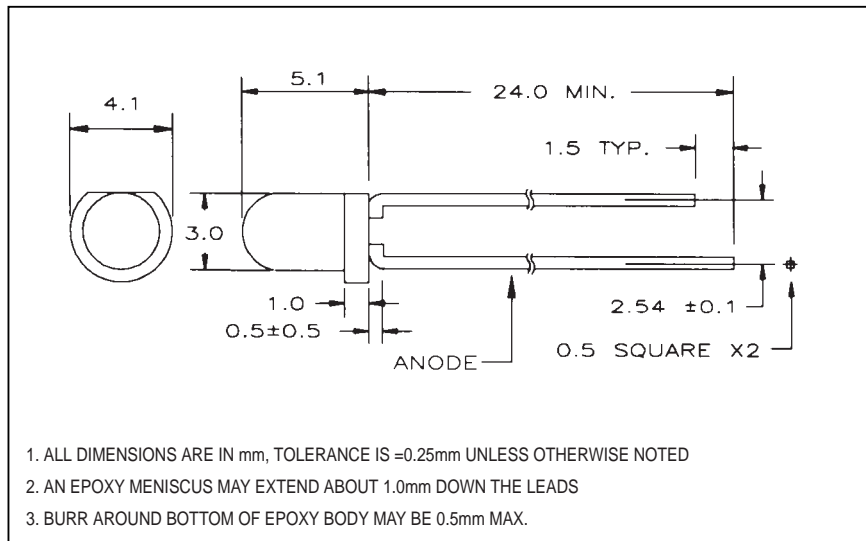
(2) SPECIFICATIONS ARE SUBJECT TO CHANGE

WITHOUT NOTICE.

(3) ALL ABOVE COMPONENTS ARE CONSIDERED.

DEVIATIONS FROM STATED SPECIFICATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED.

Package Dimensions



Radiation Pattern

