



LT0333-41-UBC1

3.0MM ROUND LAMP

Features

- * LOW CURRENT REQUIREMENTS
- * HIGH LIGHT OUTPUT
- * RELIABLE AND RUGGEN
- * IC COMPATIBLE

Absolute Maximum Ratings at T_A=25°C

| | |
|---|------------------|
| REVERSE VOLTAGE (<100 μ A)..... | 4.0 V |
| D.C. FORWARD CURRENT..... | 30 mA |
| PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH)..... | 100 mA |
| 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. |

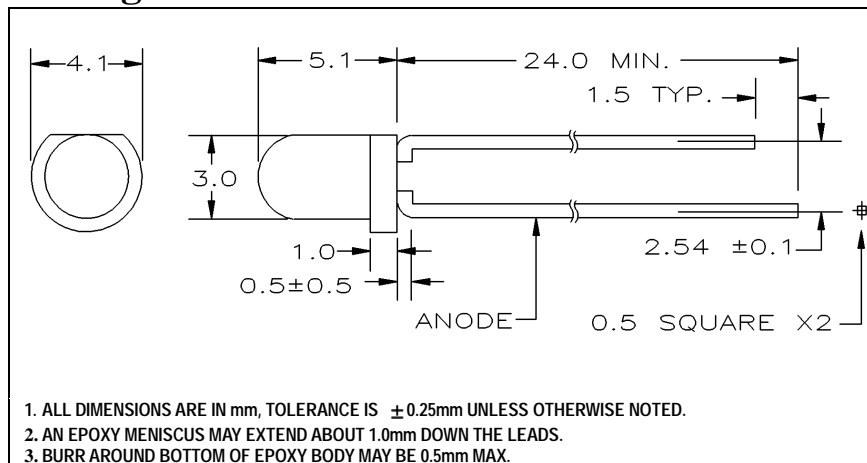
Electrical/optical characteristics at T_A=25°C

| PART NUMBER | LED CHIP | | LENS COLOR | WAVELENGTH TYP. I _f @20mA (nm) | | FORWARD VOLTAGE @20mA(V) | | LUMINOUS INTENSITY @20mA(mcd) | | VIEW ANGLE 2 θ 1/2 (deg) |
|----------------|----------|----------------|------------|--|---------|--------------------------|------|-------------------------------|------|-----------------------------|
| | MATERIAL | EMITTING COLOR | | λ p | λ d | TYP. | MAX. | MIN. | TYP. | |
| | | | | | | | | | | |
| LT0333-41-UBC1 | AlGaInP | YELLOW | W.C. | 590 ± 5 | 587 ± 5 | 2.1 | 2.4 | 700 | 1200 | 25 |
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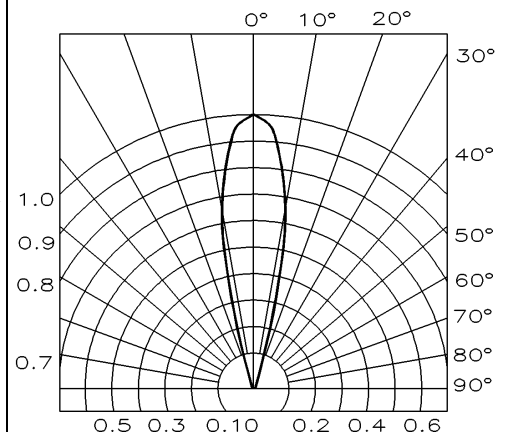
(1) LENS COLOR
W.C.....WATER CLEAR

- (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.

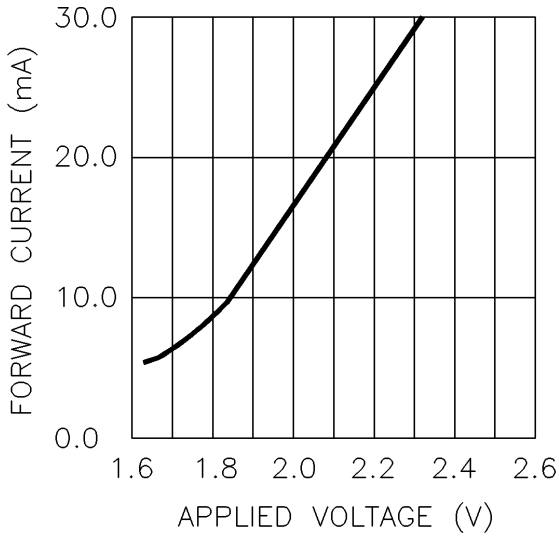
Package Dimensions



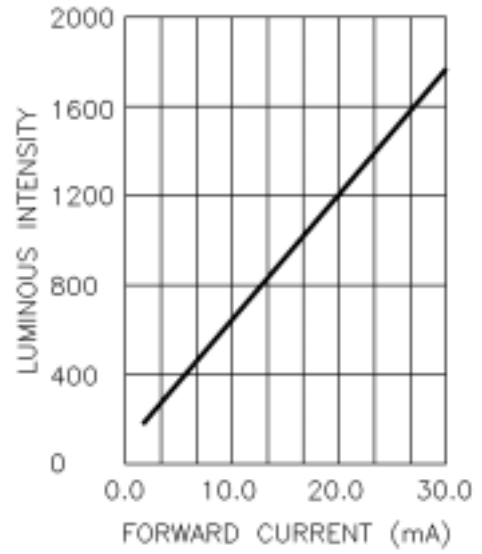
Radiation Pattern



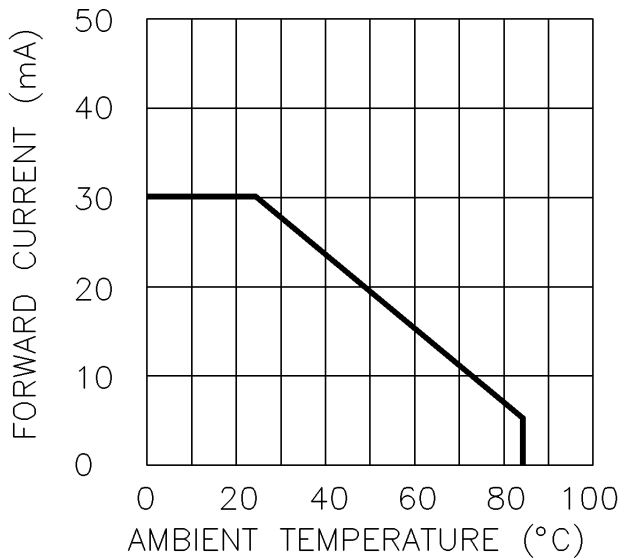
Forward Current vs. Applied Voltage



Luminous Intensity vs. Forward Current



Forward Current vs. Ambient Temperature



Relative Intensity vs. Wavelength

