

T1 3mm Bi-Colour LEDs

L2XR3000 Series



Features:

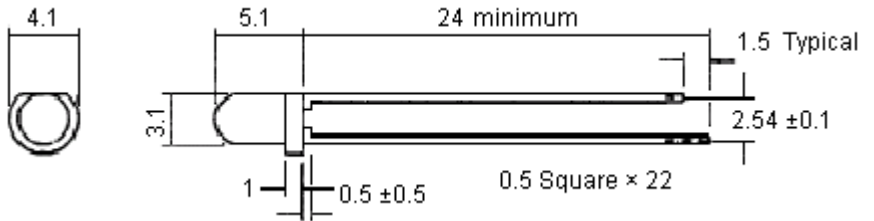
- Bicolour LEDs have two diodes connected in inverse parallel
- AC operation gives a third intermediate colour, example: red + green gives orange
- High light output and uniform match for two colours
- Low current requirements
- Reliable and rugged
- IC compatible

Recommended Maximum Ratings:

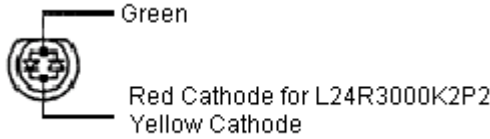
| | |
|--|----------------------|
| Reverse Voltage | 5 V |
| DC Forward Current | 30 mA |
| Pulse Current (10% duty cycle 0.1ms pulse width) | 100 mA |
| Operating Temperature Range | -25°C to +85°C |
| Storage Temperature Range | -25°C to +100°C |
| Lead Soldering Temperature (1.6 mm from body) | +260°C for 5 seconds |

(T_A = 25°C)

Dimensions



Dimensions : Millimetres



Length = 5.1, Diameter = 3.1 L
 Lead pitch = 2.54, Leads = 22 x 0.5 square
 Green cathode identified by flat on body and shorter lead

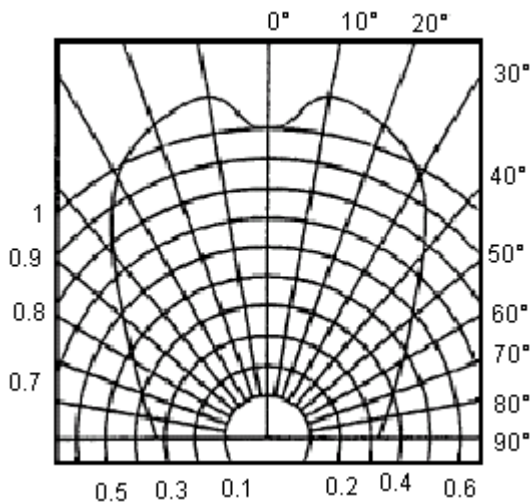
1. Tolerance is ±0.25 mm unless otherwise stated
2. An epoxy meniscus may extend about 1.0 mm down the leads
3. Burr around bottom of epoxy body may be 0.5 mm maximum

T1 3mm Bi-Colour LEDs

L2XR3000 Series



Radiation Pattern



Electrical and Optical Characteristics at $T_a = 25^\circ\text{C}$

| LED Chip Emitting Colour | | Lens Colour | Peak Wavelength at 20 mA (nm) | | Forward Voltage at 20 mA (V) | | | | Luminous Intensity at 20 mA (mcd) | | I_F Maximum (mA) | View Angle $2\theta_{1/2}$ (Degree) | Part Number |
|--------------------------|--------|----------------|-------------------------------|-----|------------------------------|---------|---------|---------|-----------------------------------|---------|--------------------|-------------------------------------|------------------|
| | | | | | Typical | Maximum | Typical | Maximum | Typical | Typical | | | |
| Green | Orange | White Diffused | 567 | 635 | 2.1 | 3 | 2.1 | 3 | 8.3 | 9.7 | 25 | 118 | L24R300 0K2P2 |
| | Yellow | | | 585 | | | | | | 2.5 | | | L23R300 0K2P2 |

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell plc 2012.