

# T1 3mm Bi-Colour LEDs

## L2XR3000 Series



### Features:



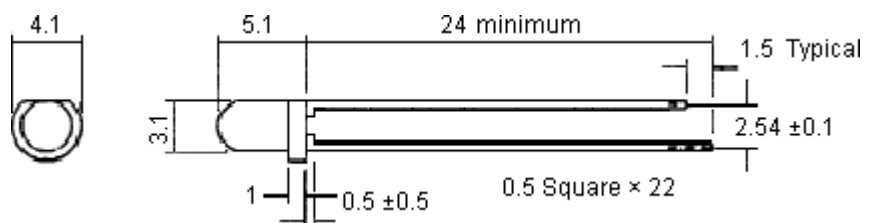
- Bicolour LEDs have two diodes connected in inverse parallel
- AC operation gives a third intermediate colour, example: red + green gives orange
- High light output and uniform match for two colours
- Low current requirements
- Reliable and rugged
- IC compatible

### Recommended Maximum Ratings:

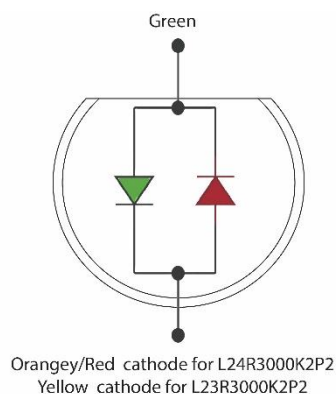
Reverse Voltage	5 V
DC Forward Current	30 mA
Pulse Current (10% duty cycle 0.1ms pulse width)	100 mA
Operating Temperature Range	-25°C to +85°C
Storage Temperature Range	-25°C to +100°C
Lead Soldering Temperature (1.6 mm from body)	+260°C for 5 seconds

(T<sub>A</sub> = 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  $\pm 0.25$  mm unless otherwise stated

2. An epoxy meniscus may extend about 1.0 mm down the leads

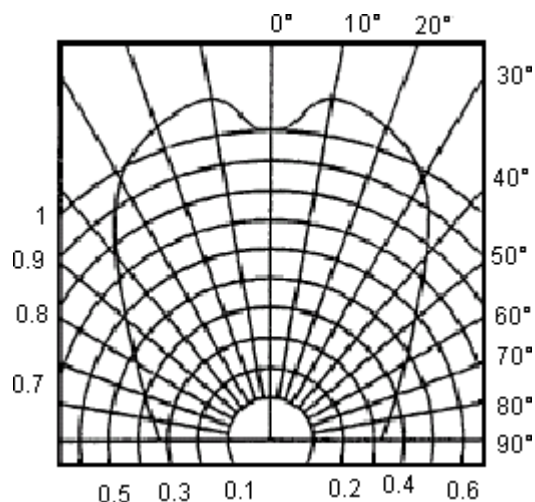
3. Burr around bottom of epoxy body may be 0.5 mm maximum

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### 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	Orangey/ Red	White Diffused	567	635	2.1	3	2.1	3	8.3	9.7	25	118	L24R300 0K2P2
	Yellow		567	585						2.5			L23R300 0K2P2

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