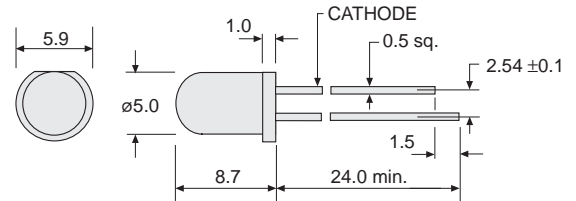


CUX53C series (low current)

Features

- ◆ Standard 5mm round package
- ◆ Low current consumption
- ◆ Coloured clear lens
- ◆ Solid state reliability
- ◆ Ideal for low energy applications

Package



1. Dimensions are mm. Tolerance ± 0.25 mm unless otherwise stated.
2. An epoxy meniscus may extend 1.0mm down the leads.
3. Burr around base of the body 0.5mm max.

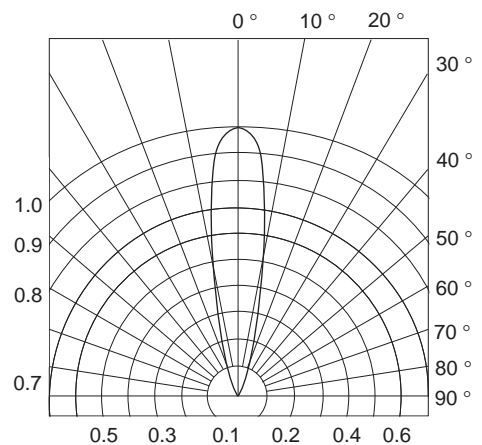
Electrical & Optical Characteristics (at T_A = 25°C)

Part Number	LED Chip			Lens Colour	Peak Wavelength (nm) at 2mA	Luminous Intensity (mcd) at 2mA		Forward Voltage (V) at 2mA		Viewing Angle 2θ ^{1/2} (deg)
	Material	Emitted Colour	Brightness			min.	typ.	typ.	max.	
CUR53C	GaAsP	Red	Ultra	Red clear	630	5.5	9.0	1.8	2.2	20
CUY53C	GaAsP	Yellow	Ultra	Yellow clear	589	3.5	6.0	1.8	2.2	20
CUG53C	GaP	Green	Ultra	Green clear	572	4.5	7.5	1.8	2.2	20

Maximum Ratings (at T_A = 25°C)

Reverse Voltage (<100μA)	5.0V
D.C. Forward Current	30mA
Pulse Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100mA
Operating Temperature Range	-25 to +85°C
Storage Temperature Range	-25 to +100°C
Lead Soldering Temperature (1.6mm from body)	260°C for 5 sec.

Radiation Pattern



Part Number Key

