5.0mm Round Lamp
(Short leads)

L05R5000E1

mended Maximum Ratings

- Diffused lens package
- Low current requirements
- High light output
- Reliable and rugged
- IC. compatible

Reverse voltage	5·0V
D.C. forward current	30mA
Pulse current (10% duty cycle 0·1ms pulse width)	100mA
Operating temperature range	-25°C to +85°C
Storage temperature range	-25°C to +100°C
Lead soldering temperature (1·6mm from body)	+260°C for 5 secs.

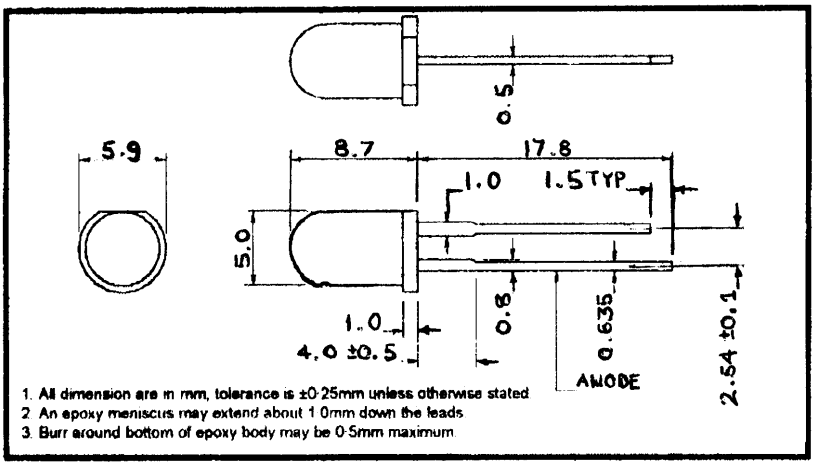
(Ta=25°C)

Electrical & Optical Characteristics

Part Number	L.E.D. Chip		Lens Colour	Peak Wavelength @20mA(nm)	Forward Voltage @20mA(V)		Luminous Intensity @10mA(mcd)		View Angle 2θ ½ (deg)
	Material	Emitting Colour			TYP.	MAX.	MIN.	TYP.	
L 02 R 5000 E 1	GaP	Green	Green Diffused	567	2·1	3·0	1·5	3·7	68°
L 02 R 5000 E 2	GaP	Green	White Diffused	567	2·1	3·0	1·5	3·7	68°
L 03 R 5000 E 1	GaAsP on GaP	Yellow	Yellow Diffused	585	2·1	3·0	1·2	3·1	68°
L 03 R 5000 E 2	GaAsP on GaP	Yellow	White Diffused	585	2·1	3·0	1·2	3·1	68°
L 04 R 5000 E 1	GaAsP on GaP	Orange	Orange Diffused	635	2·1	3·0	1·7	4·3	68°
L 04 R 5000 E 2	GaAsP on GaP	Orange	White Diffused	635	2·1	3·0	1·7	4·3	68°
L 4R R 5000 E 1	GaAsP on GaP	Hi-Eff. Red	Red Diffused	635	2·1	3·0	1·7	4·3	68°
L 05 R 5000 E 1	GaP	Red	Red Diffused	700	2·1	3·0	0·3	0·8	68°
L 05 R 5000 E 2	GaP	Red	White Diffused	700	2·1	3·0	0·3	0·8	68°

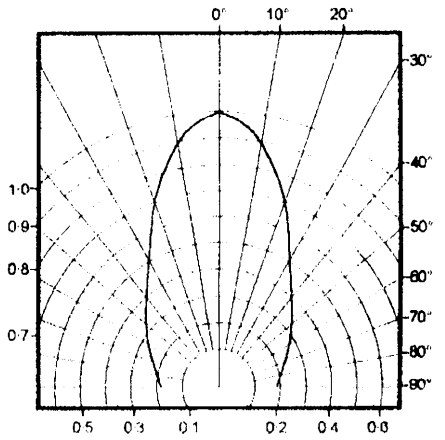
(Ta=25°C)

Package Dimensions



1. All dimension are in mm, tolerance is ±0·25mm unless otherwise stated
2. An epoxy meniscus may extend about 1·0mm down the leads
3. Burr around bottom of epoxy body may be 0·5mm maximum

Radiation Pattern

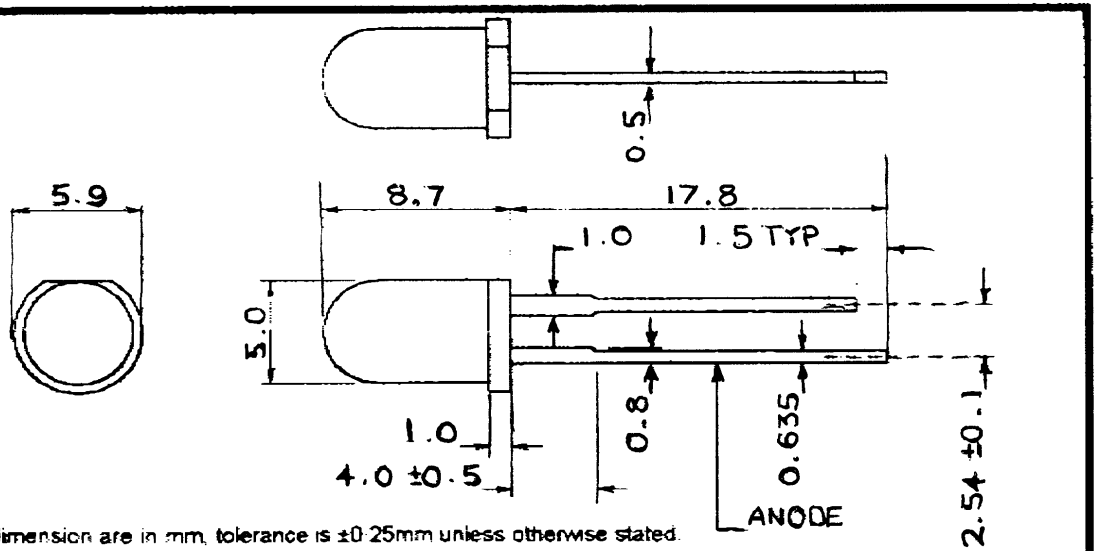


L 05 R 5000 E 2	GaP	Red	White Diffused	700	2·1	3·0	0·3	0·8	68°

(Ta=25°C)

Package Dimensions

L05R5000E1



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Radiation Pattern