LXXR3000FM

3.0mm Round Lamp
(Short Leads with 2.29mm Pitch)

Features

- ULTRABRIGHT YELLOW
- HIGH LIGHT OUTPUT
- RELIABLE AND RUGGED
- IC COMPATIBLE

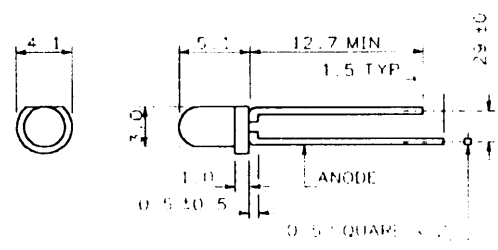
Recommended Maximum Ratings at T_A=25°

REVERSE VOLTAGE	5.0V
D.C. FORWARD CURRENT	30mA
PULSE CURRENT (1/10 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 TEMP. (1.6mm FROM BODY)	260° FOR 5 SEC.

Electrical & Optical Characteristics at T_A=25°

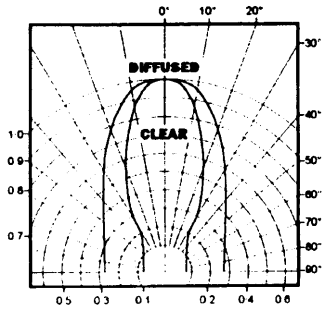
Part Number	LED Chip		Lens Colour	Peak Wavelength @ 20mA (nm)	Forward Voltage @ 20mA(V)		Luminous Intensity @ 20mA(mcd)		View Angle 2θ1/2 (deg)
	Material	Emitting Colour			Typ.	Max.	Min.	Typ.	
L02R3000F1	GaP	Green	Green Diffused	567	2.1	3.0	1.5	3.7	74
L02R3000F2	GaP	Green	White Diffused	567	2.1	3.0	1.5	3.7	74
L02R3000F3	GaP	Green	Water Clear	567	2.1	3.0	5.0	12.6	50
L02R3000F4	GaP	Green	Green Clear	567	2.1	3.0	5.0	12.6	50
L03R3000F1	GaAsP on GaP	Yellow	Yellow Diffused	585	2.1	3.0	1.2	3.1	74
L03R3000F2	GaAsP on GaP	Yellow	White Diffused	585	2.1	3.0	1.2	3.1	74
L03R3000F3	GaAsP on GaP	Yellow	Water Clear	585	2.1	3.0	4.2	10.5	50
L03R3000F4	GaAsP on GaP	Yellow	Yellow Clear	585	2.1	3.0	4.2	10.5	50
L04R3000F1	GaAsP on GaP	Orange	Orange Diffused	635	2.1	3.0	1.7	4.3	74
L04R3000F2	GaAsP on GaP	Orange	White Diffused	635	2.1	3.0	1.7	4.3	74
L04R3000F3	GaAsP on GaP	Orange	Water Clear	635	2.1	3.0	5.8	14.6	50
L04R3000F4	GaAsP on GaP	Orange	Orange Clear	635	2.1	3.0	5.8	14.6	50
L4RR3000F1	GaAsP on GaP	Hi-Eff. Red	Red Diffused	635	2.1	3.0	1.7	4.3	74
L4RR3000F4	GaAsP on GaP	Hi-Eff. Red	Red Clear	635	2.1	3.0	5.8	14.6	50
L05R3000F1	GaP	Red	Red Diffused	700	2.1	3.0	0.3	0.8	74
L05R3000F2	GaP	Red	White Diffused	700	2.1	3.0	0.3	0.8	74
L05R3000F3	GaP	Red	Water Clear	700	2.1	3.0	1.1	2.7	50
L05R3000F4	GaP	Red	Red Clear	700	2.1	3.0	1.1	2.7	50
L08R3000F1	GaAsP on GaP	Amber	Amber Diffused	610	2.1	3.0	5.8	9.7	74

Package Dimensions



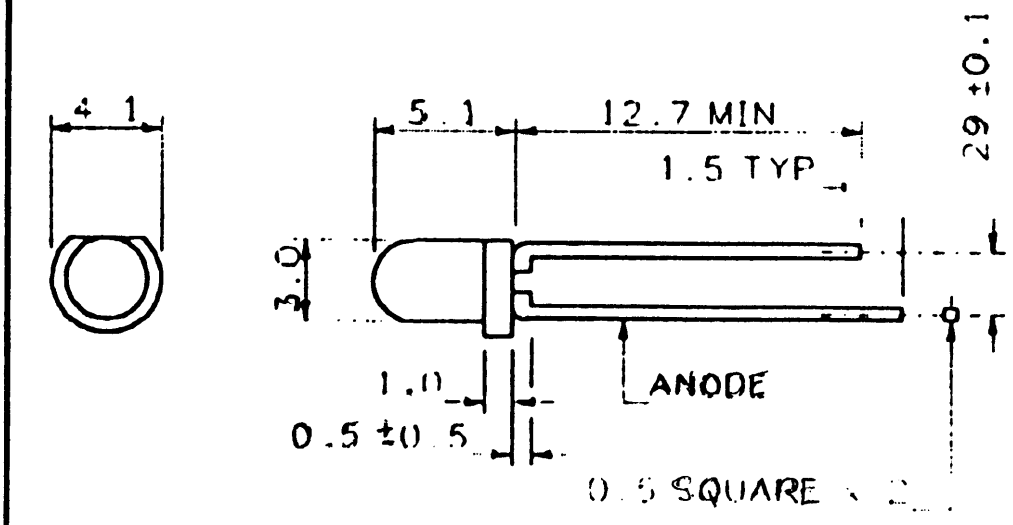
1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED.
2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.00mm DOWN THE LEADS.
3. BURR AROUND BOTTOM OF EPOXY BODY MAY BE 0.5mm MAX

Radiation Pattern



L03R3000F2	GaAsP on GaP	Yellow	White Diffuse
L03R3000F3	GaAsP on GaP	Yellow	Water Clear
L03R3000F4	GaAsP on GaP	Yellow	Yellow Clear
L04R3000F1	GaAsP on GaP	Orange	Orange Diffuse
L04R3000F2	GaAsP on GaP	Orange	White Diffuse
L04R3000F3	GaAsP on GaP	Orange	Water Clear
L04R3000F4	GaAsP on GaP	Orange	Orange Clea
L4RR3000F1	GaAsP on GaP	Hi-Eff. Red	Red Diffused
L4RR3000F4	GaAsP on GaP	Hi-Eff. Red	Red Clear
L05R3000F1	GaP	Red	Red Diffused
L05R3000F2	GaP	Red	White Diffuse
L05R3000F3	GaP	Red	Water Clear
L05R3000F4	GaP	Red	Red Clear
L08R3000F1	GaAsP on GaP	Amber	Amber Diffuse

Package Dimensions

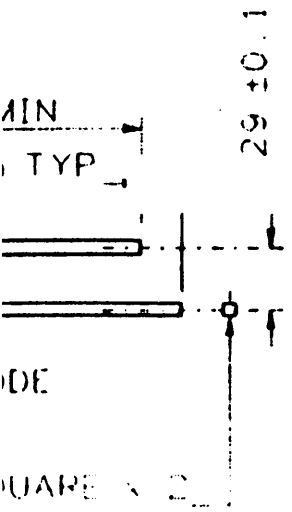


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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Hi-Eff. Red	Red Diffused	635	2.1	3.0	1.7	4.3	74
Hi-Eff. Red	Red Clear	635	2.1	3.0	5.8	14.6	50
Red	Red Diffused	700	2.1	3.0	0.3	0.8	74
Red	White Diffused	700	2.1	3.0	0.3	0.8	74
Red	Water Clear	700	2.1	3.0	1.1	2.7	50
Red	Red Clear	700	2.1	3.0	1.1	2.7	50
Amber	Amber Diffused	610	2.1	3.0	5.8	9.7	74

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Radiation Pattern

