

# Round Lens Standard LED

## 3mm (T1), Pure Green Emitting Colour



RoHS  
Compliant



### Features:

- High intensity
- Standard 3mm T-1 diameter package
- General purpose LED
- Reliable and rugged

### Note:

Lead spacing is measured where the leads emerge from the package

### Absolute Maximum Rating at Ta=25°C

Parameter	Max.	Unit
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-25°C to +80°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature [4mm (0.157) from Body]	260°C for 5 seconds	

### Electrical Optical Characteristics at Ta=25°C

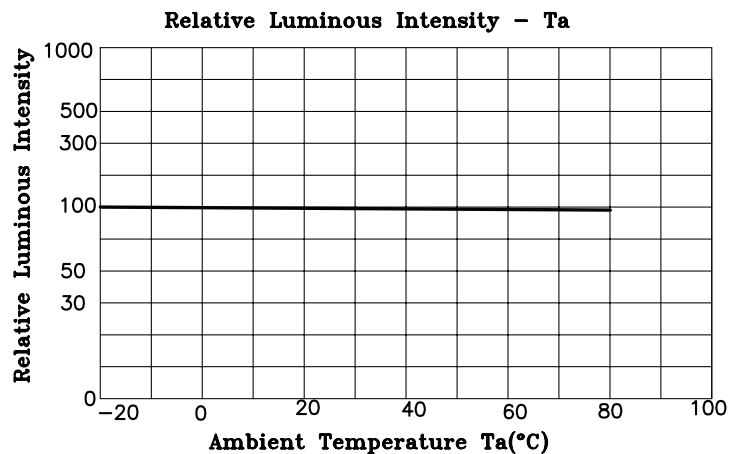
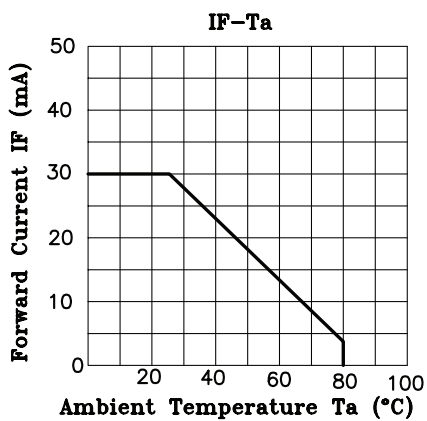
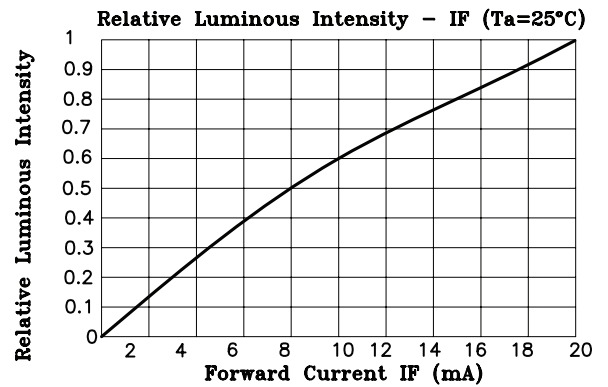
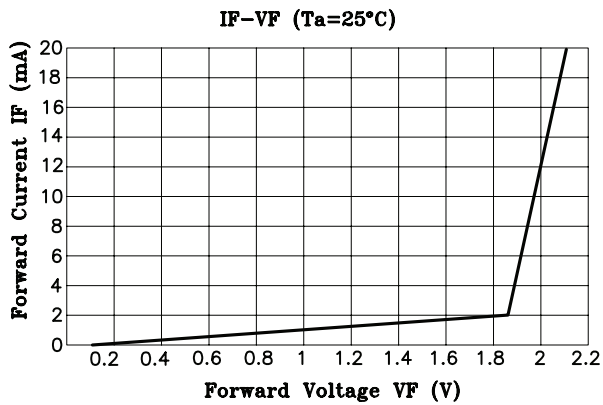
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$I_V$		60		mcd	$I_F=20\text{mA}$ (Note 1)
Viewing Angle	$2\theta_{1/2}$		45		Deg	(Note 2)
Peak Emission Wavelength	$\lambda_p$		568		nm	$I_F=20\text{mA}$
Dominant Wavelength	$\lambda_d$		565		nm	$I_F=20\text{mA}$ (Note 3)
Forward Voltage	$V_f$		2	2.5	V	$I_f=20\text{mA}$
Reverse Current	$I_R$			100	$\mu\text{A}$	$V_R=5\text{V}$

### Notes:

- 1 Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2  $\theta_{1/2}$  is the off-axis angel at which the luminous intensity is half the axial luminous intensity
- 3 The x and y parameters correspond to the CIE 1931 Chromaticity

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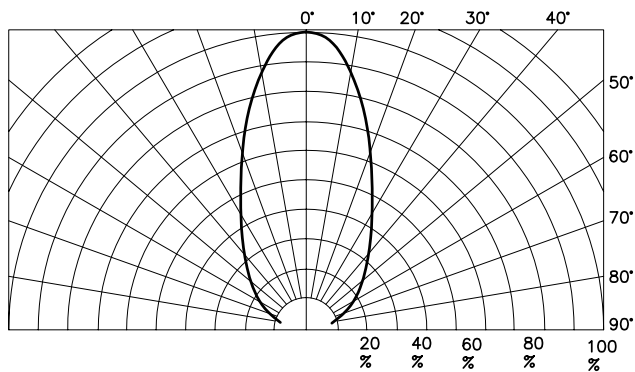


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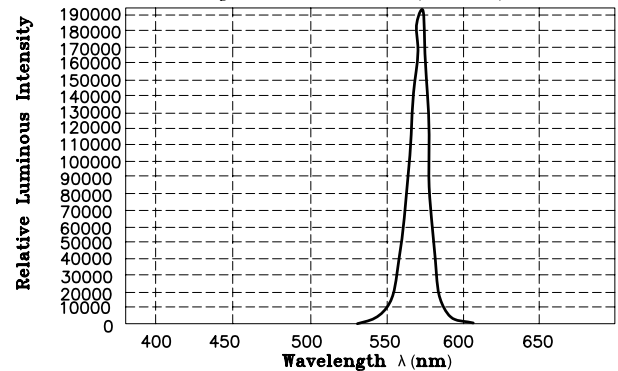
## 3mm (T1), Pure Green Emitting Colour



Directive Characteristics (Ta=25°C)



Wavelength Characteristics (Ta=25°C)



### Part Number Table

Description	Source Colour	Chip Material	Lens Colour	Part Number
Standard LED, Round Lens, 3mm (T1), Pure Green Emitting Colour	Pure Green	GaP	Water Clear	HLMP1523

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