

Round LED

3mm, Yellow Green

multicomp^{PRO}

RoHS
Compliant



Features

- 3mm Rounded LED Lamps
- Low power consumption
- Excellent product quality and reliability
- Lead-free device

Applications

- Electronic signs and signals
- Bright ambient lighting conditions
- Backlight.
- General purpose indicators

Device Selection Guide

Part No.	Chip		Lens color
MP008526	Material	Emitted color	Green Diffuse
	GaP	Yellow Green	

Absolute Maximum Ratings: (T_A = 25°C)

Parameter	Symbol	Value	Unit
Power Dissipation	P _D	50	mW
Forward Current	I _F	30	mA
Peak Forward Current ^{*1}	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{OPR}	-40 to +85	°C
Storage Temperature	T _{STG}	-40 to +85	°C
Soldering Temperature ^{*2}	T _{SOI}	260°C For 5 Seconds	

Notes:

*1: Pulse width ≤ 0.1ms, Duty cycle ≤ 1/10

*2: ΔAt the position of 3mm below package base.

*3: ▲Please refer to the curve of forward current vs. temperature

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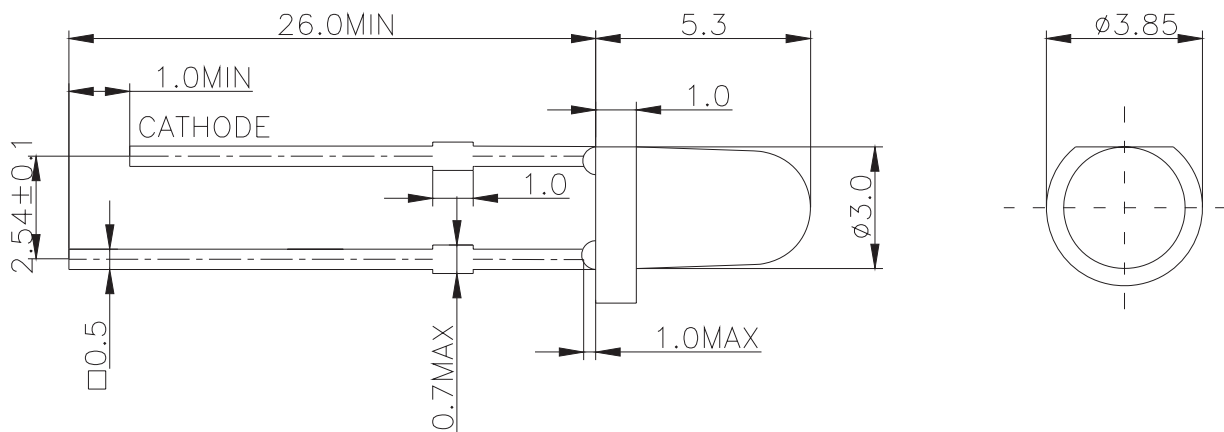
Electrical / Optical Characteristics at T _A = 25°C						
Parameter	Symbol	Min.	Typ.	Max	Unit	Test Conditions
Forward Voltage	V _F	1.8	2	2.6	V	IF=20mA
Reverse Current	I _R	—	—	10	μA	VR=5V
Dominant Wavelength	λ _d	565	571	575	nm	IF=20mA
Peak Wavelength	λ _P	—	570	—	nm	
Spectral line Half-width	Δλ	—	15	—	nm	
Luminous Intensity	I _v	100	240	400	mcd	
Power Angle	2θ _{1/2}	—	20	—	Deg.	

Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity, or dominant wavelength), the typical accuracy of the sorting process is as follows:

1. Dominant Wavelength: +/-1nm
2. Chromatic Coordinates: +/-0.01
3. Luminous Intensity: +/-15%

Dimensions



Dimensions : Millimetres

Notes:

1. Tolerance is ±0.25 unless otherwise noted.
2. Lead spacing is measured where the leads emerge from the package.
3. Specifications are subject to change without notice.
4. The design and working current for LED is not less than 2mA.

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VF Rank

Rank	VF(V)		Condition
	Min	Max	
EZ	1.8	2	IF=20mA
FZ	2	2.2	
GZ	2.2	2.4	
HZ	2.4	2.6	

Tolerance : $\pm 0.1V$

λD Rank

Rank	λD (nm)		Condition
	Min	Max	
HG	565	570	IF=20mA
HH	570	575	

Tolerance : $\pm 0.1nm$

IV Rank

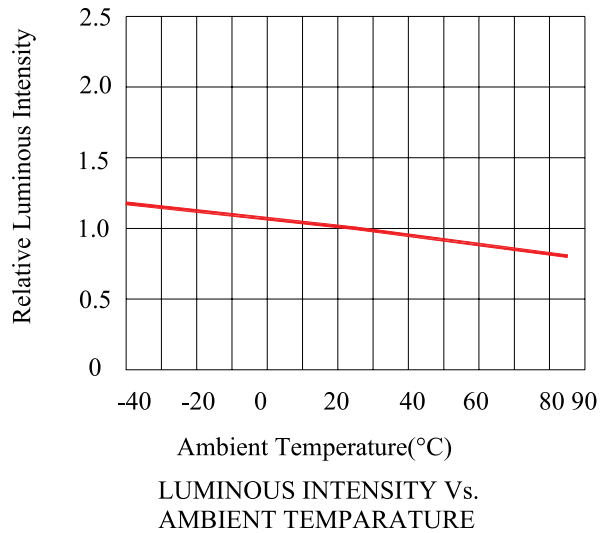
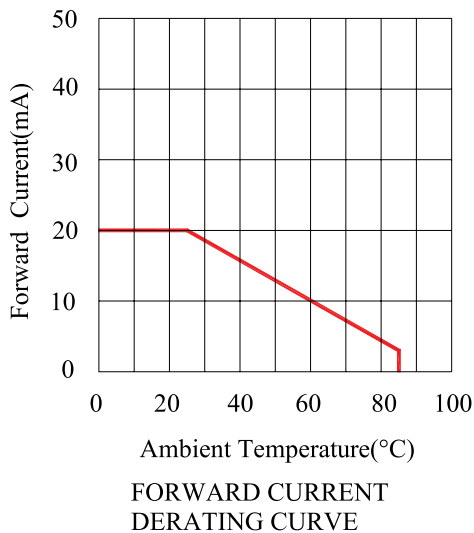
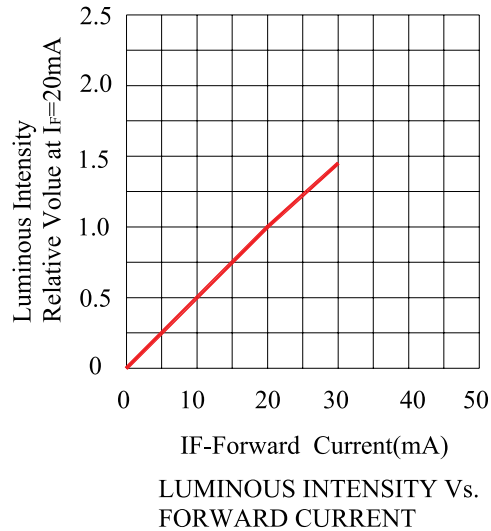
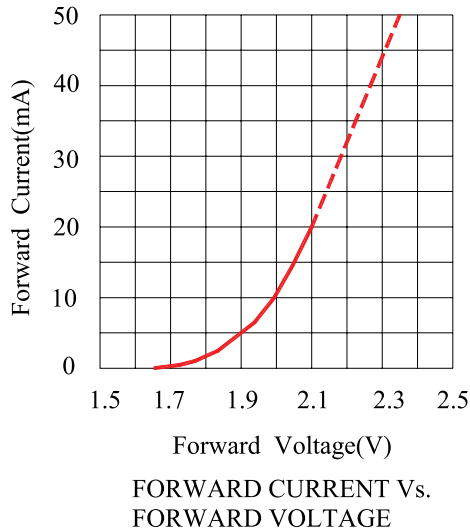
Rank	IV(mcd)		Condition
	Min	Max	
I	100	150	IF=20mA
J	150	250	
K	250	400	

Tolerance : $\pm 15\%$

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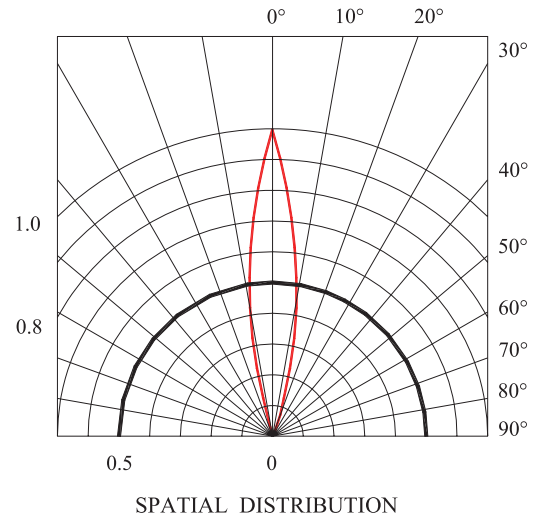
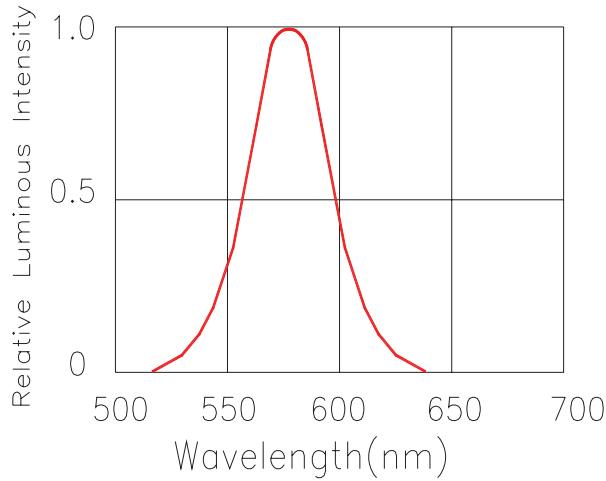
Typical Electrical/Optical Characteristics Curves (Ta=25°C Unless Otherwise Noted)



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Part Number Table

Description	Part Number
Round LED, Yellow Green, 570nm, 20°,240mcd, Through hole	MP008526

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