



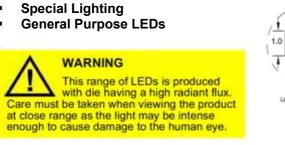
MEGA BRIGHT LED BTL-55PGDS-XX-X

Product Features

- **Ultra Bright Pure Green Color**
- **High Light Output**
- **5X4mm Diameter Elliptical Package**
- **Tinted Diffused Lens**
- **Highly Reliable**
- IC Compatible
- Leads with Stand Off

Applications

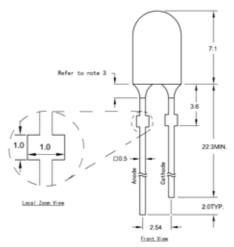
- **Full Color Display**
- **Automotive**
- **Front Panel Indicator**

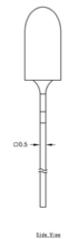


Note: Industry standard procedures regarding static must be observed when handling this product.

Package Dimension







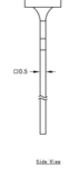
Tolerance:
$$\pm$$
 $\frac{\text{inch}}{\text{mm}}$ Unit: \pm $\frac{0.01}{0.25}$

Optical and Electrical Characteristics at T_a=25℃

Parameter	Symbol	Minimum	Typical	Maximum	Units	Conditions
Luminous Intensity	I _v	_	1500	_	mcd	I _F = 20mA (Note 1)
Viewing Angle	2θ½ H-H	_	110	_	deg	I _F = 20mA
	2θ½ V-V	_	45	_		
Dominant Wavelength	$\lambda_{ m D}$	520	528	535	nm	I _F = 20mA (Note 2)
DC Forward Voltage	V _F	_	3.5	4.0	V	I _F = 20mA
DC Reverse Current	I _R	0	_	100	μΑ	V _R =5V

Notes:

- Light intensity measures the light sensing response standard using chromatic meter. Refer to the CIE eye-response curve set by International Lighting committee. Tolerance of minimum and maximum intensity = ± 15%
- 2. Wavelength range can be selected from the bin selection table. Tolerance of minimum and $maximum = \pm 2nm$
- 3. These products are sensitive to static electricity and care must be fully taken when handling products





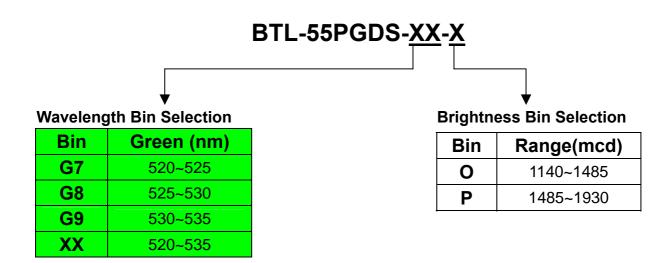


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Absolute Maximum Ratings at T_a=25℃

Symbol	Parameter	Max.	Unit
\mathbf{P}_{D}	Power Rating	100	mW
V_{R}	Reverse Voltage (I _R =10μA)	5	v
I _F	Continuous Forward Current	30	mA
I _{FP}	Peak Forward Current (0.1 duty cycle @ 1kHz)	100	mA
T_{opr}	Operating Temperature Range	-35 ~ + 80	°C
T _{stg}	Storage Temperature Range	-40 ~ + 100	С
Lead Soldering Temperature [1.6mm (0.063inch) from body]		260℃ - max 5 seconds	

Wavelength and Brightness Selection



Packaging Options

Standard: 1000 pc bulk pack

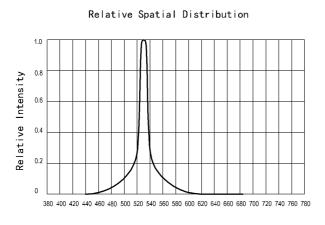
Optional: Tape and Reel (Please specify when order)



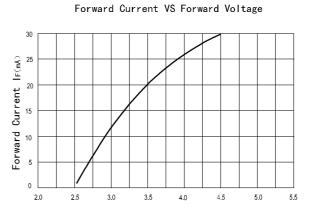


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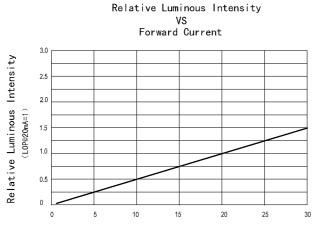
Typical Electro-Optical Characteristics Curves at T_a=25℃



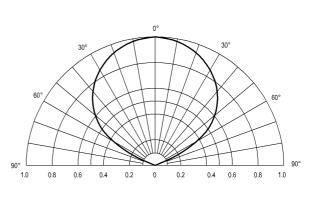
Wavelength $\lambda P(nm)$



Forward Voltage $V_F(V)$



Forward Current | IF(mA)



Spatial Distribution

 $Relative \ Brightness (LOP@MAX.=1)$

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