



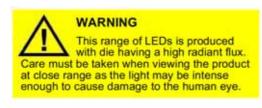
MEGA BRIGHT LED BTL-52YGC-XX-X

Product Features

- Ultra Bright Yellow Green Color
- High Light Output
- 5mm Diameter Circular Package
- Water Clear Lens
- Highly Reliable
- IC Compatible
- Leads without Stand Off

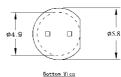
Applications

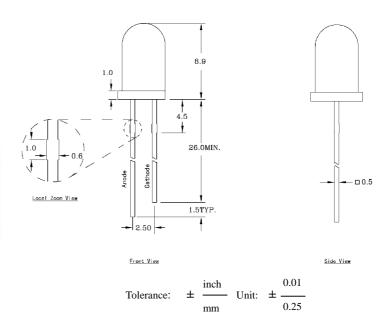
- Automotive
- Front Panel Indicator
- Special Lighting
- General Purpose LEDs



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

Package Dimension





Optical and Electrical Characteristics at T_a=25℃

Parameter	Symbol	Minimum	Typical	Maximum	Units	Conditions
Luminous Intensity	l _v		350	_	mcd	I _F = 20mA (Note 1)
Viewing Angle	2θ ½	1	30	_	deg	I _F = 20mA
Dominant Wavelength	$\lambda_{ m D}$	565	572	575	nm	I _F = 20mA (Note 2)
DC Forward Voltage	V _F		2.2	2.8	V	I _F = 20mA
DC Reverse Current	I _R	0	_	10	μΑ	V _R =5V

Notes:

- 1. 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 = \pm 15%
- 2. Wavelength range can be selected from the bin selection table. Tolerance of minimum and maximum = ± 2nm
- 3. These products are sensitive to static electricity and care must be fully taken when handling products



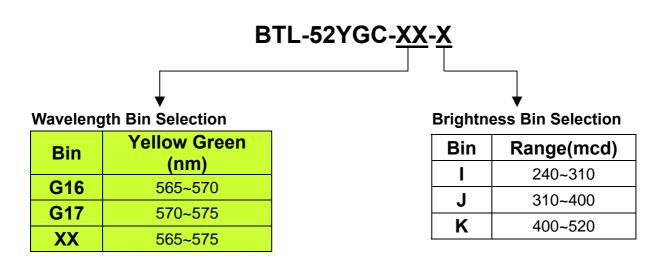


MEGA BRIGHT LED BTL-52YGC-XX-X

Absolute Maximum Ratings at T_a=25℃

Symbol	Parameter	Max.	Unit		
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	C		
Lead Solder	Lead Soldering Temperature [1.6mm (0.063inch) from body]		260 $^{\circ}$ C - max 5 seconds		

Wavelength and Brightness Selection



Packaging Options

Standard: 1000 pc bulk pack

Optional: Tape and Reel (Please specify when order)





MEGA BRIGHT LED BTL-52DRC-XX-X

Typical Electro-Optical Characteristics Curves at T_a=25℃

Relative Spatial Distribution

1.0

0.8

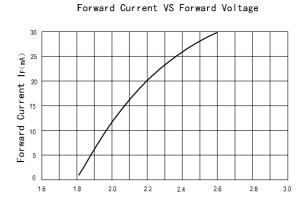
0.6

0.4

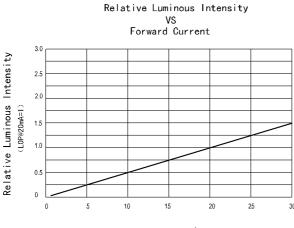
0.2

0.380 400 420 440 460 480 500 520 540 560 580 620 640 660 680 700 720 740 760 780

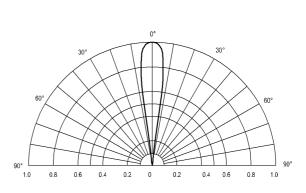
Wavelength $\lambda P(nm)$



Forward Voltage $V_F(v)$



Forward Current IF(mA)



Spatial Distribution

Relative Brightness(LOP@MAX.=1)

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