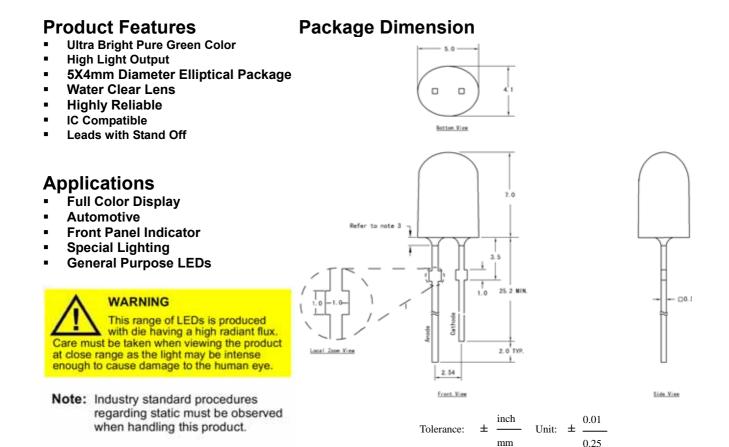


ELECTRONIC COMPONENTS

MEGA BRIGHT LED





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	2θ ¹ / ₂ H-H		70	—	deg	I _F = 20mA
	2θ ¹ / ₂ V-V		30	—		
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		10	μA	V _R =5V

Notes:

- Light intensity measures the light sensing response standard using chromatic meter. Refer to the CIE 1. 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 $maximum = \pm 2nm$
- These products are sensitive to static electricity and care must be fully taken when handling 3. products





MEGA BRIGHT LED

z

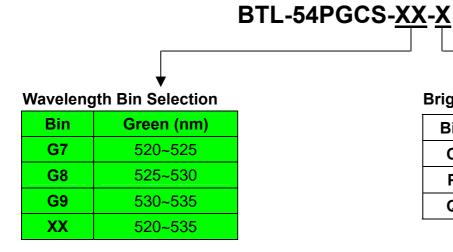


BTL-54PGCS-XX-X

Absolute Maximum Ratings at $T_a \!\!=\!\! 25\,^\circ \!\! \mathbb{C}$

Symbol	Parameter	Max.	Unit
PD	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}	T _{opr} Operating Temperature Range		Ĉ
T _{stg}	Storage Temperature Range	-40 ~ + 100	Ĉ
Lead Soldering Temperature [1.6mm (0.063inch) from body]		260℃ - max 5 seconds	

Wavelength and Brightness Selection



Brightness Bin Selection

Bin	Range(mcd)
0	1140~1485
Р	1485~1930
Q	1930~2510

Packaging Options

Standard: 1000 pc bulk pack Optional: Tape and Reel (Please specify when order)



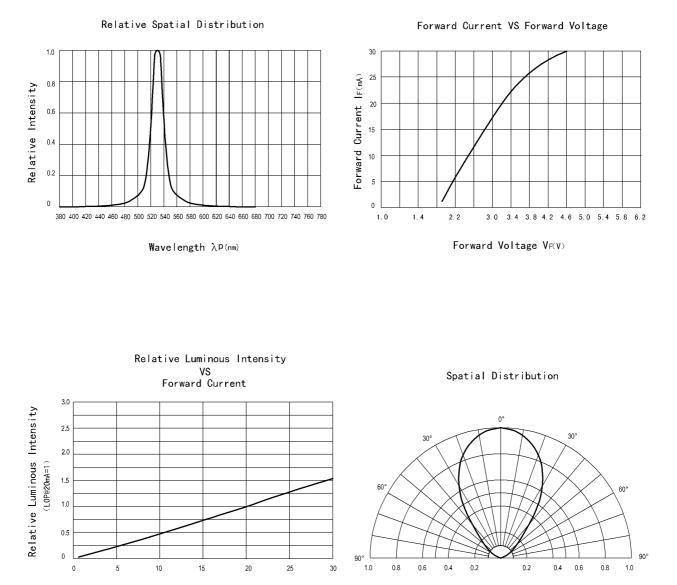
MEGA BRIGHT LED

BTL-54PGCS-XX-X

Typical Electro-Optical Characteristics Curves at $T_a=25$ °C

B

Technologies Co., Ltd.



Forward Current IF(mA)

Relative Brightness(LOP@MAX.=1)

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