



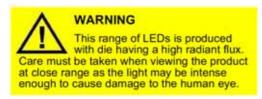
MEGA BRIGHT LED BTL-35DRCS-XX-X

Product Features

- Ultra Bright Deep Red Color
- High Light Output
- 3X4mm Diameter Elliptical Package
- Water Clear Lens
- Highly Reliable
- IC Compatible
- Leads with Stand Off

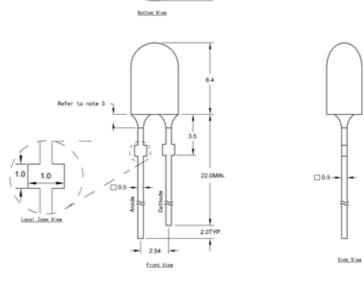
Applications

- Full Color Display
- Automotive
- Front panel indicator
- Special Lighting
- General Purpose LEDs



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

Package Dimension



Tolerance:	+	inch	Unit: ±	0.01
Toterunee.		mm	CIII. —	0.25

Optical and Electrical Characteristics at T_a=25℃

Parameter	Symbol	Minimum	Typical	Maximum	Units	Conditions
Luminous Intensity	I _v	_	200	_	mcd	I _F = 20mA (Note 1)
Viewing Angle	2θ½ H-H	_	110	_	doa	I _F = 20mA
Viewing Angle	2θ½ V-V	_	45	_	deg	
Dominant Wavelength	$\lambda_{ m D}$	645	652	660	nm	I _F = 20mA (Note 2)
DC Forward Voltage	V _F	-	1.9	2.5	V	I _F = 20mA
DC Reverse Current	I _R	0	_	10	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 = ± 2nm
- 3. These products are sensitive to static electricity and care must be fully taken when handling products



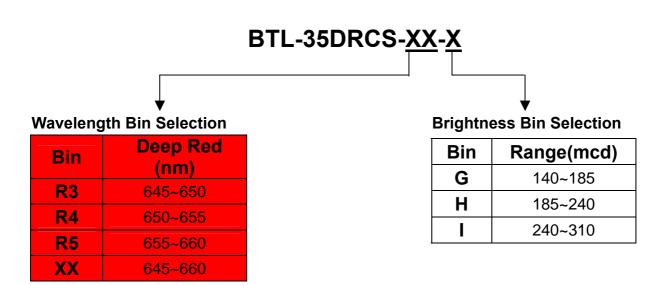


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Absolute Maximum Ratings at T_a=25℃

Symbol	Parameter	Max.	Unit
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 Soldering Temperature [1.6mm (0.063inch) from body]		260℃ - max 5 seconds	

Wavelength and Brightness Selection



Packaging Options

Standard: 1000 pc bulk pack

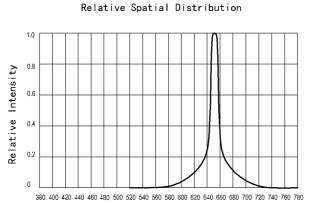
Optional: Tape and Reel (Please specify when order)



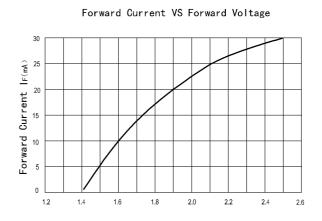


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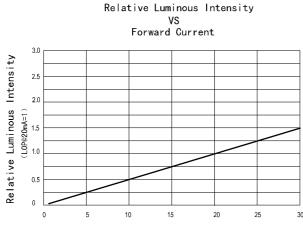
Typical Electro-Optical Characteristics Curves at T_a=25℃



Wavelength $\lambda P(nm)$

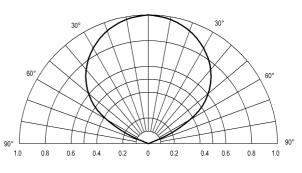


Forward Voltage VF(V)



Forward Current | IF(mA)





Relative Brightness(LOP@MAX.=1)

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