



LBL05AF-25

LIGHT EMITTING DIODE

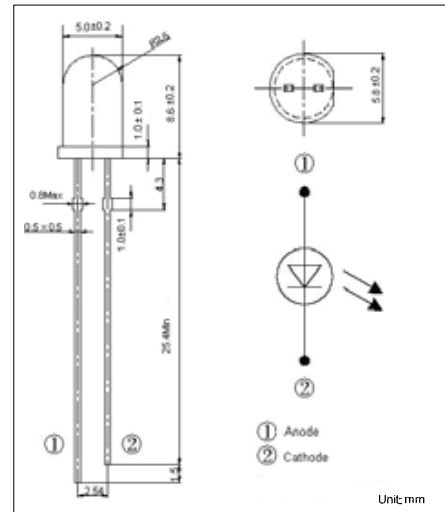
LED LAMP

DESCRIPTION

25 Degree 5mm Round LED Lamp in High Blue Color with Water Clear Lens and Stopper. Dice Material: InGaN

APPLICATION

- * Advertising Signs
- * Indicators
- * Traffic
- * Automotive Lighting



ORDERING INFORMATION

Ordering Number
LBL05AF-25

<p>L B L 0 5 A F - 2 5</p>	<ul style="list-style-type: none"> (1)View Angle (2)Package Outline (3)Encapsulate Type (4)Diameter of Lamp (5)Color Type (6)Product Type 	<ul style="list-style-type: none"> (1) 25: 25°±3° (2) F: Round with Brim (3) A: Colorless Transparent (4) 05: Φ5 (5) BL: Blue (6) L: Lamp
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■ ABSOLUTE MAXIMUM RATINGS (Ta=25)

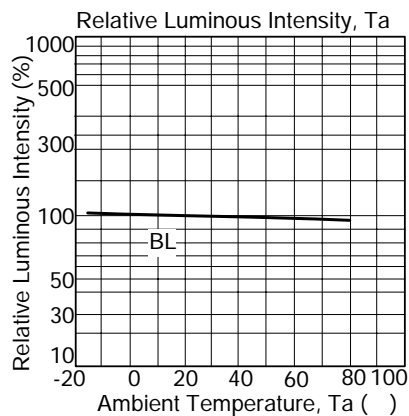
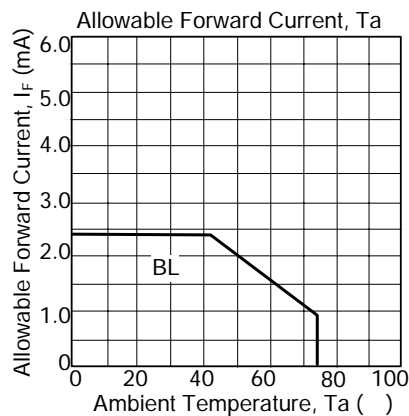
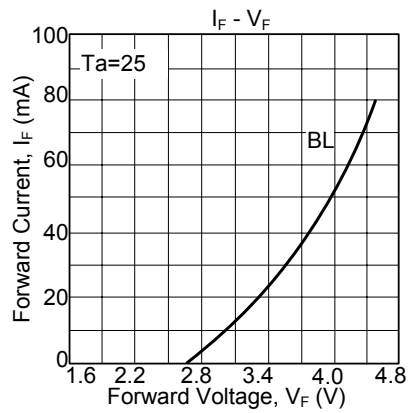
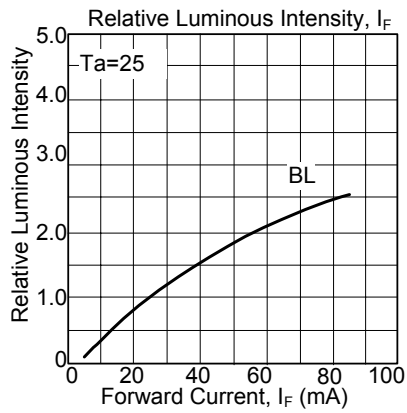
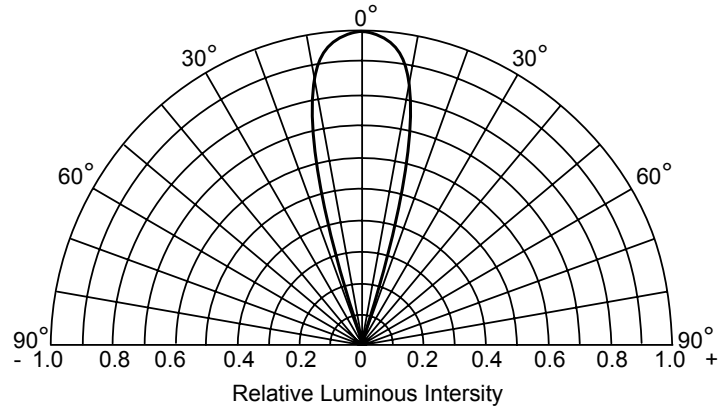
PARAMETER	SYMBOL	RATINGS	UNIT
Forward Current	I_F	20	mA
Peak Forward Current	I_{fp}	80	mA
Power Dissipation	P_D	100	mW
Reverse Voltage	V_r	5	V
Lead Soldering Temperature	T_{sol}	MAX 260 for 3sec max (3mm from the base of the epoxy bulb)	
Electrostatic Discharge Classification	ESD	CLASS1	
Operating Temperature	T_{OPR}	-40 ~ +85	
Storage Temperature	T_{STG}	-40 ~ +100	

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged.
 Absolute maximum ratings are stress ratings only and functional device operation is not implied.

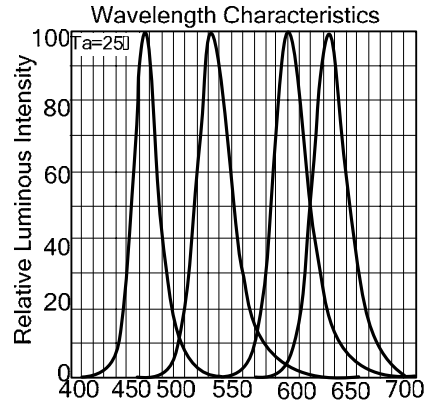
■ ELECTRICAL OPTICAL CHARACTERISTICS

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Dominant Wavelength	λ_d	$I_F=20mA$	465		470	nm
Luminous Intensity	IV	$I_F=20mA$	1500		3000	mcd
Viewing Angle	$2\theta_{1/2}$	$I_F=20mA$		25		deg
Forward Voltage	V_F	$I_F=20mA$	3.0		3.6	V
Reverse Current	IR	$V_R=5V$	0		10	μA

■ TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES



■ TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES(Cont.)



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