



LYE05AF-25

LIGHT EMITTING DIODE

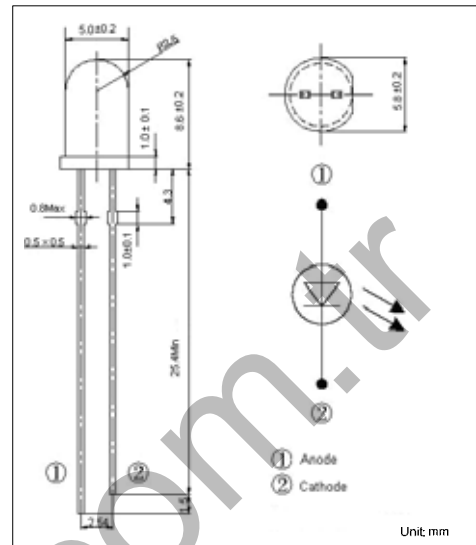
LED LAMP

DESCRIPTION

25 Degree 5mm Round LED Lamp in High Yellow Color with Water Clear Lens and Stopper
Dice Material: AlGaInP

APPLICATIONS

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



ORDERING INFORMATION

Ordering Number
LYE05AF-25

<p>L Y E 0 5 A F - 2 5</p> <p>(1)View Angle</p> <p>(2)Package Outline</p> <p>(3)Encapsulate Type</p> <p>(4)Diameter of Lamp</p> <p>(5)Color Type</p> <p>(6)Product Type</p>	<p>(1) 25: 25°±3°</p> <p>(2) F: Round with Brim</p> <p>(3) A: Colorless Transparent</p> <p>(4) 05: Φ5</p> <p>(5) YE: Yellow</p> <p>(6) L: Lamp</p>
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■ ABSOLUTE MAXIMUM RATINGS (Ta=25)

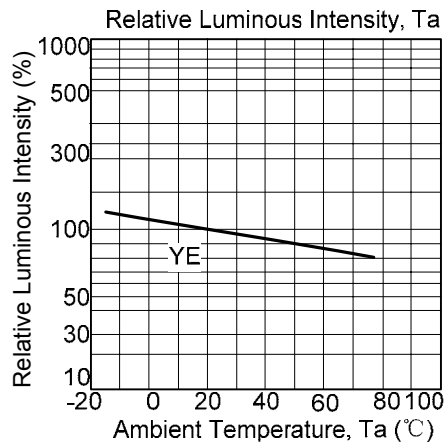
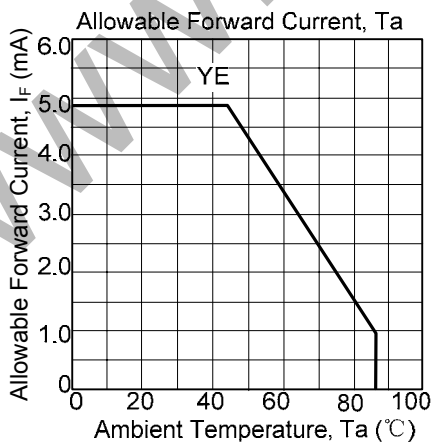
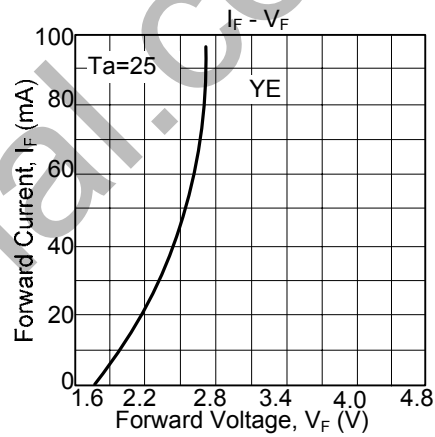
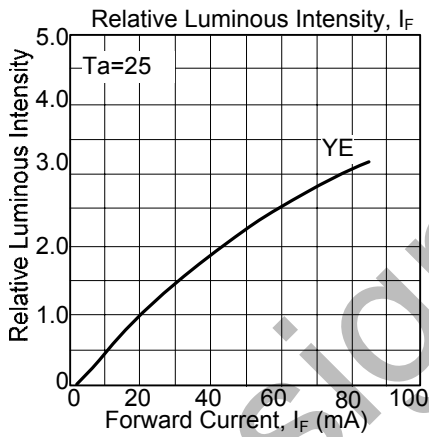
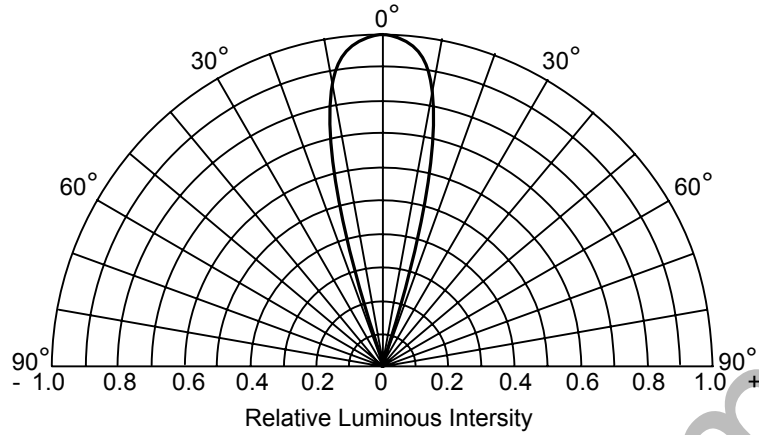
PARAMETER	SYMBOL	RATINGS	UNIT
Reverse Voltage	V_R	5	V
Forward Current	I_F	20	mA
Peak Forward Current	I_{fp}	80	mA
Power Dissipation	P_D	100	mW
Operation Temperature	T_{OPR}	-40 ~ 85	
Storage Temperature	T_{STG}	-40 ~ 100	
Electrostatic Discharge Classification	ESD	CLASS1	

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.

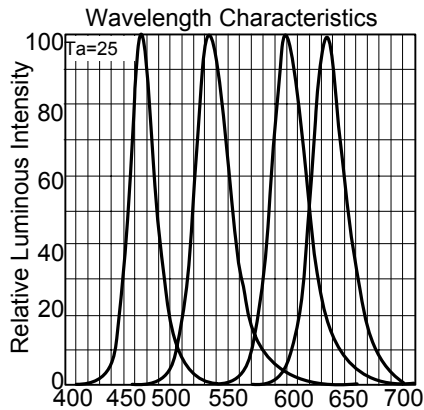
■ ELECTRICAL OPTICAL CHARACTERISTICS

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Dominant Wavelength	λ_d	$I_F=20mA$	585		595	nm
Luminous Intensity	I_V	$I_F=20mA$	3500		7000	mcd
Viewing Angle	2 $\theta_{1/2}$	$I_F=20mA$		25		deg
Forward Voltage	V_F	$I_F=20mA$	1.7		2.4	V
Reverse Current	I_R	$V_R=5V$	0		10	μA

■ TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES



■ TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES



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