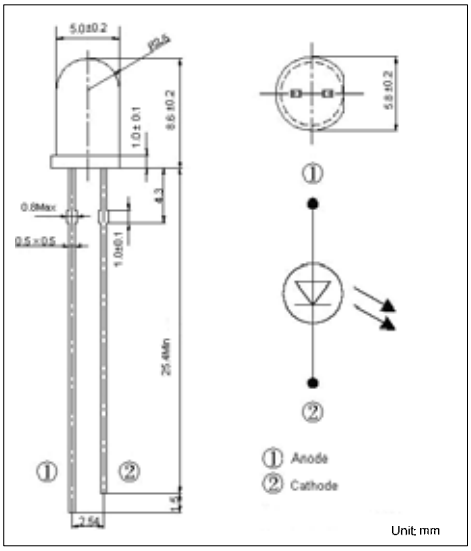
LYE05AF-25

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

L Y E 0 5 A F - 2 5 (1)View Angle (2)Package Outline (3)Encapsulate Type (4)Diameter of Lamp (5)Color Type (6)Product Type	(1) 25: 25°±3° (2) F: Round with Brim (3) A: Colorless Transparent (4) 05: Φ5 (5) YE: Yellow (6) L: Lamp

■ ABSOLUTE MAXIMUM RATINGS (Ta=25℃)

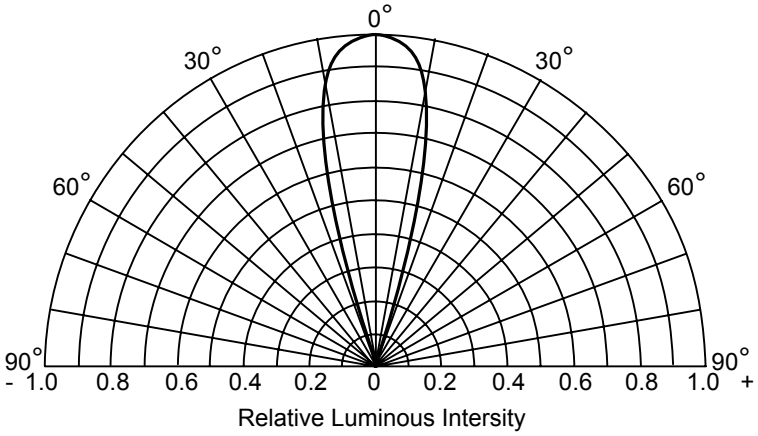
PARAMETER	SYMBOL	RATINGS	UNIT
Reverse Voltage	V_R	5	V
Forward Current	I_F	20	mA
Peak Forward Current	I_{fp}	80	mA
Power Dissipation	P_D	100	mW
Operation Temperature	T_{OPR}	-40 ~ 85	℃
Storage Temperature	T_{STG}	-40 ~ 100	℃
Electrostatic Discharge Classification	ESD	CLASS1	

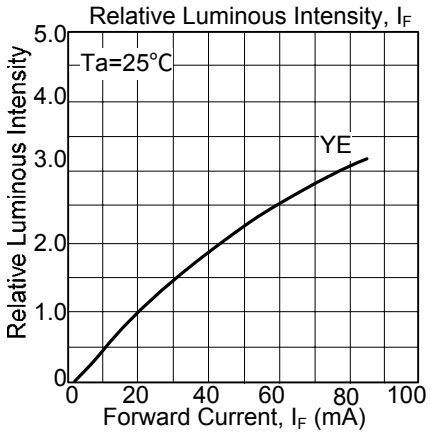
Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

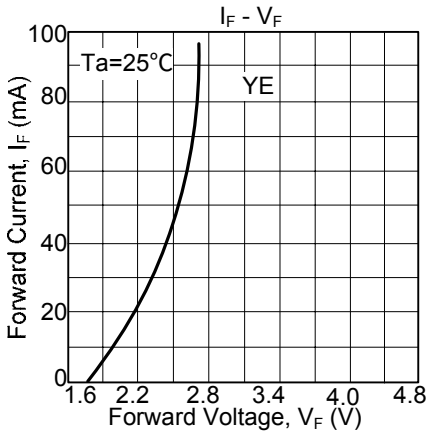
■ ELECTRICAL OPTICAL CHARACTERISTICS

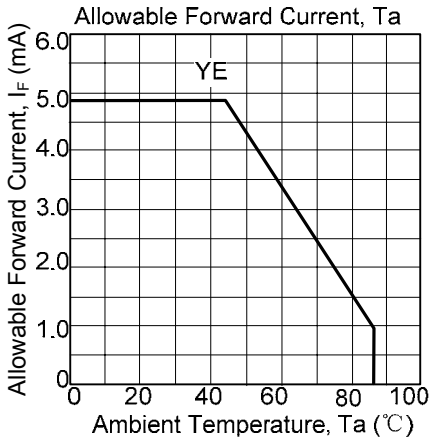
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Dominant Wavelength	λd	I_F=20mA	585		595	nm
Luminous Intensity	IV	I_F=20mA	3500		7000	mcd
Viewing Angle	2θ1/2	I_F=20mA		25		deg
Forward Voltage	V_F	I_F=20mA	1.7		2.4	V
Reverse Current	I_R	V_R=5V	0		10	μA

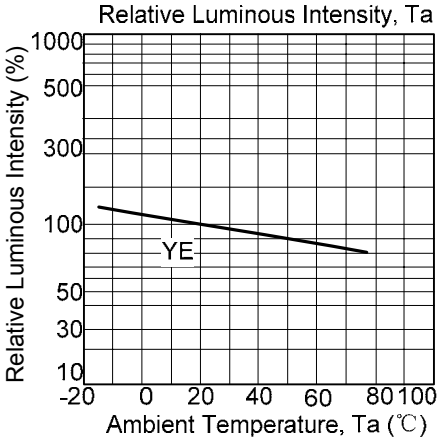
■ TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES











■ TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES