



ETG-5UC588-30

DESCRIPTION

SOURCE MATERIAL-----AlGaInP
 EMITTING COLOR-----Yellow
 LENS TYPE-----WATER CLEAR

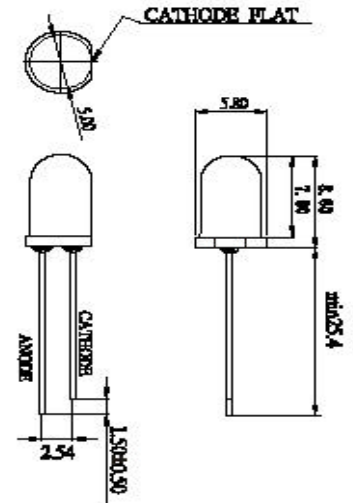
ABSOLUTE MAXIMUM RATING (Ta=25°C)

PEAK FORWARD CURRENT-----50mA
 AVERAGE FORWARD CURRENT-----30mA
 DERATING FACTOR-----40mA/°C
 REVERSE VOLTAGE-----5.0V
 OPERATING TEMPERATURE----- -40°C TO 85°C
 STORAGE TEMPERATURE----- -40°C TO 100°C
 LEAD SOLDERING TEMPERATURE-----260°C FOR 5 SEC.
 SPEED OF RESPONSE-----40ns

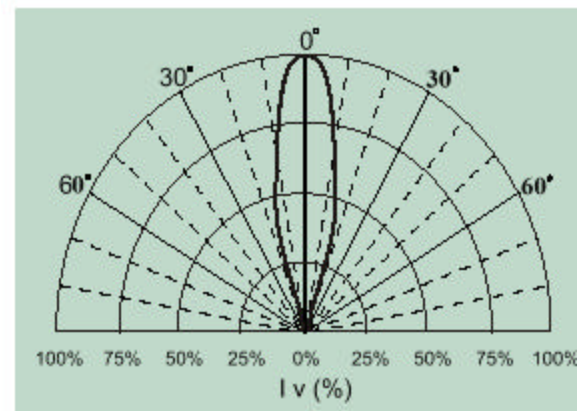
CHARACTERISTICS (Ta=25°)

PARAMETER	CONDITION	SYMBOL	MIN	TYP	MAX	UNIT
DOMINANT WAVELENGTH	If=20mA	λ_D		585		nm
PEAK EMISSION WAVELENGTH	If=20mA	λ_P		588		nm
FORWARD VOLTAGE	If=20mA	VF	1.8	1.94	2.4	V
REVERSE CURRENT	VR=5V	Ir			10	μA
LUMINOUS INTENSITY	If=20mA	Iv	1700	2000	2200	mcd
VIEWING ANGLE	If=20mA	2θ1/2		30		deg

Package Dimensions



Beam Pattern



Note:

- The dominant wavelength, λ_D , is derived from CIE 1931 Chromaticity Diagram and represents the emitting color of the device.
- The luminous intensity of the lamp is measured on the mechanical axis of the lamp. The optical axis is closely aligned with the package mechanical axis.
- Less than 10% of distribution have Iv around minimum value.
- More than 70% of the distribution is within the typical value (+/- 15%)
- Specifications are subject to change without notice