



A Technology Corporation

ETG-5CEWHT-35

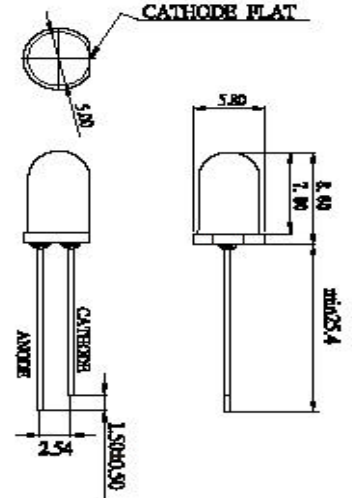
Package Dimensions

DESCRIPTION

SOURCE MATERIAL-----InGaN
 EMITTING COLOR-----White
 LENS TYPE-----WATER CLEAR

ABSOLUTE MAXIMUM RATING (Ta=25°C)

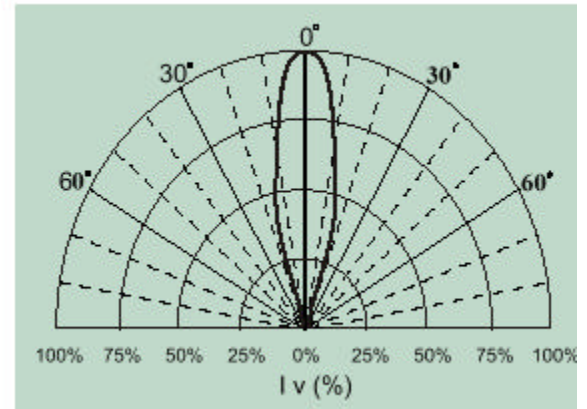
CONTINUOUS FORWARD CURRENT-----35mA
 PEAK FWD CURR. (1/10 DUTY, 0.1 mS PULSE WIDTH)-----80mA
 DERATING LINEAR FROM 50-----.4mA
 REVERSE VOLTAGE-----5.0V
 OPERATING TEMPERATURE----- -40°C TO 80°C
 STORAGE TEMPERATURE----- -40°C TO 80°C
 LEAD SOLDERING TEMPERATURE-----260°C FOR 5 SEC.



CHARACTERISTICS (Ta=25°)

PARAMETER	CONDITION	SYMBOL	MIN	TYP	MAX	UNIT
POWER DISSIPATION		Pd		70	100	mW
CHROMATICITY COORDINATES	If=20mA	X		.26		
CHROMATICITY COORDINATES	If=20mA	Y		.27		
FORWARD VOLTAGE	If=20mA	VF	2.8	3.7	4.4	V
REVERSE CURRENT	VR=5V	Ir			100	μA
LUMINOUS INTENSITY	If=20mA	Iv	2400	3250	4500	mcd
VIEWING ANGLE	If=20mA	2θ1/2		35		deg

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