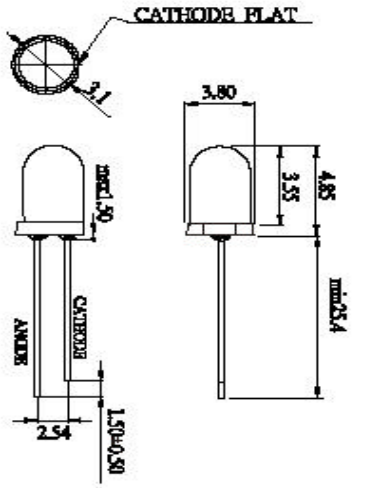
A Technology Corporation

ETG-3CE470-15

Package Dimensions



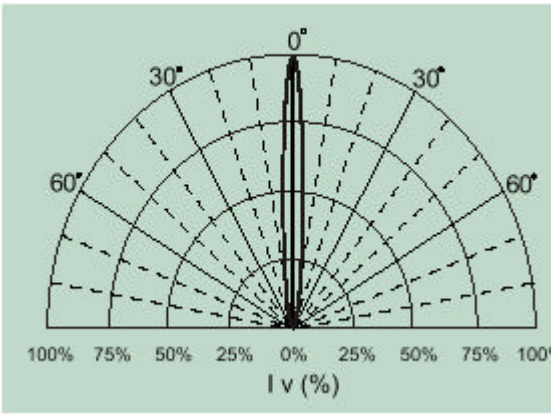
DESCRIPTION
- SOURCE MATERIAL----------InGaN
- EMITTING COLOR----------Blue
- LENS TYPE----------WATER CLEAR

ABSOLUTE MAXIMUM RATING (Ta=25°C)
- PULSE CURRENT (1/10 DUTY, 0.1 mS PULSE WIDTH)--------80mA
- REVERSE VOLTAGE----------5.0V
- OPERATING TEMPERATURE---------- -40°C TO 85°C
- STORAGE TEMPERATURE---------- -40°C TO 100°
- LEAD SOLDERING TEMPERATURE----------260°C FOR 3 SECONDS

CHARACTERISTICS (Ta=25°)

PARAMETER	CONDITION	SYMBOL	MIN	TYP	MAX	UNIT
POWER DISSIPATION		Pd		70		mW
PEAK EMISSION WAVELENGTH	If=20mA	λP		470		nm
FORWARD VOLTAGE	If=20mA	VF		3.50		V
REVERSE CURRENT	VR=5V	Ir			50	μA
LUMINOUS INTENSITY	If=20mA	Iv	1200	1500	1800	mcd
VIEWING ANGLE	If=20mA	2θ1/2		15		deg

Beam Pattern



Note:
- The dominant wavelength, λD, 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 are within the typical value (+/- 15%)
- Specifications are subject to change without notice