

## OPT-5CE430-8

### DESCRIPTION

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

### ABSOLUTE MAXIMUM RATING (Ta=25°C)

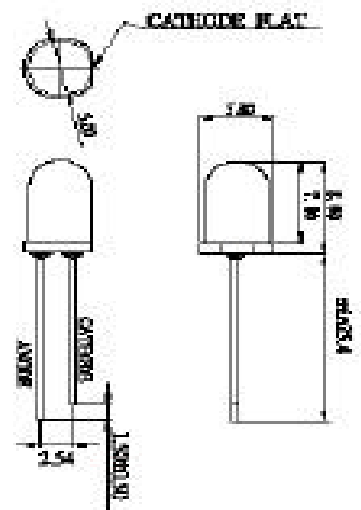
PULSE CURRENT (1/10 DUTY, 0.1 mS PULSE WIDTH)-----80mA  
REVERSE VOLTAGE-----5.0V  
OPERATING TEMPERATURE----- -40°C TO 85°C  
STORAGE TEMPERATURE----- -40°C TO 100°  
LEAD SOLDERING TEMPERATURE-----260°C FOR 3

### SECONDS

### CHARACTERISTICS (Ta=25°)

PARAMETER	CONDITION	SYMBOL	MIN	TYP	MAX	UNIT
POWER DISSIPATION		Pd		76		mW
PEAK EMISSION WAVELENGTH	If=20mA	P		430		nm
FORWARD VOLTAGE	If=20mA	VF		4.0	4.5	V
REVERSE CURRENT	VR=5V	Ir			50	µA
LUMINOUS INTENSITY	If=20mA	Iv	100	200	300	mcd
VIEWING ANGLE	If=20mA	2 1/2		8		deg

### Package Dimensions



### Note:

- The dominant wavelength,  $\lambda_d$ , 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  $I_v$  around minimum value.
- More than 70% of the distribution are within the typical value (+/- 15%)
- Specifications are subject to change without notice

## OPTOLOCO

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