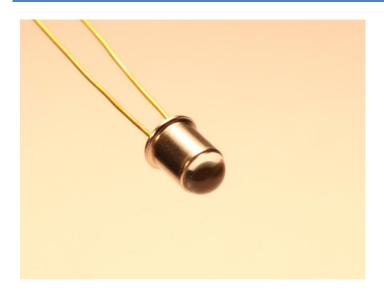


# LS-0450 Series





#### **FEATURES**

- 450nm Peak Wavelength
- Long Life
- RoHS Compliant
- High Reliability

### **DESCRIPTION**

The LS-0450 Series are InGaN LEDs with peak wavelength of 450nm. Available in a TO-46 lens cap and a TO-46 glob top. The lens cap have a wide viewing angle.

# **APPLICATIONS**

Indicators

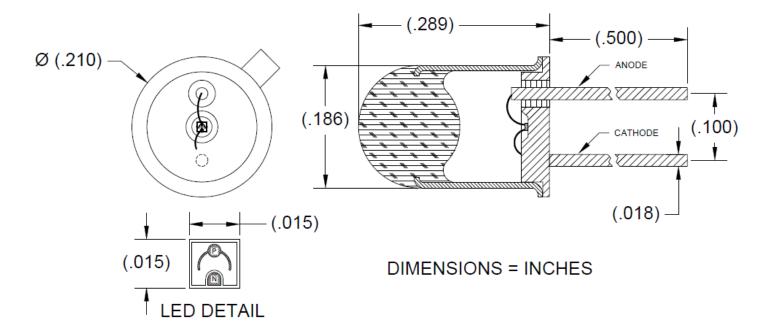
#### > Absolute Maximum Ratings

Part No.	Forward DC Current [mA]	Reverse Voltage [V]	Operating Temperature [C]	Storage Temperature [C]	Package
LS-0450-014	30	5	-40 to +100	-40 to +125	Lens Cap
LS-0450-015	30		-40 to +85	-40 (0 +125	Glob Top

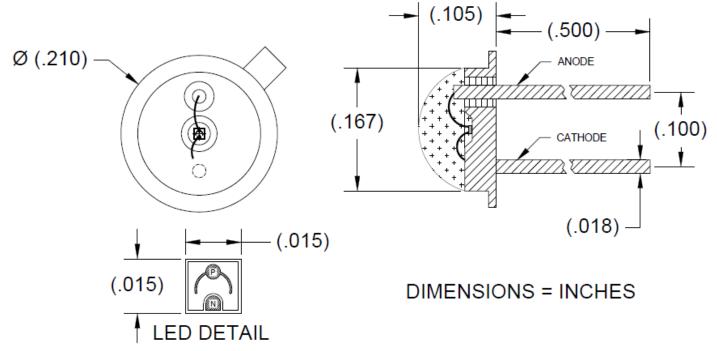
### > Electrical and Optical Characteristics

Typical Characteristics (T=23°C unless specified)									
Parameter	Test Conditions	Symbol	Min	Typical	Max	Unit			
Forward Voltage	I <sub>f</sub> = 20 mA	$V_{F}$	2.8	-	3.8	V			
Reverse Current	V <sub>R</sub> =5V	I <sub>R</sub>	-	-	2	μΑ			
Peak Wavelength	I <sub>f</sub> = 20 mA	$\lambda_{p}$	445	-	455	nm			
Spectral Halfwidth	I <sub>f</sub> = 20 mA	Δλ	-	25	-	nm			
Luminous Intensity	I <sub>f</sub> = 20 mA	Фе	65	80	-	mcd			

## > TO-46 Lens Cap [LS-0450-014]



> TO-46 Glob Top [LS-0450-015]



>Soldering Conditions: 260°C 1/16 inch away from case for 3 seconds max.

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#### **MATERIALS SAFETY**

This product is free of conflict minerals and meets REACH compliance. Please see website for reports.