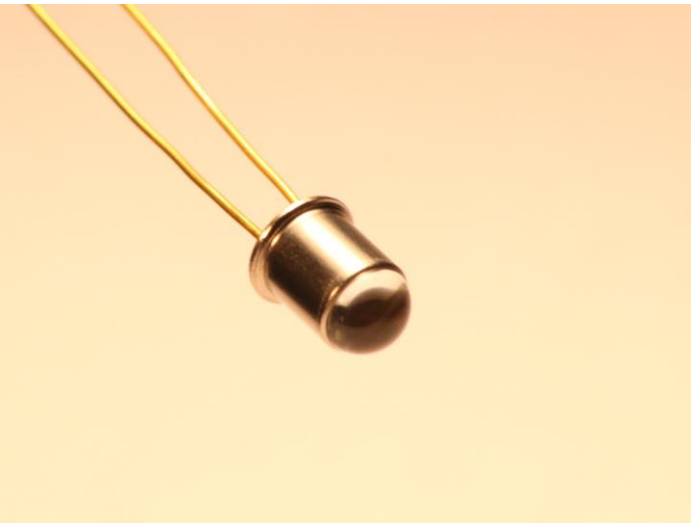
Advanced Photonix
An OSI Optoelectronics Company

LS-0505 Series

RoHS COMPLIANT



FEATURES

- 505nm Peak Wavelength
- Long Life
- RoHS Compliant
- High Reliability

DESCRIPTION

The LS-0505 Series are GaN LEDs with peak wavelength of 505nm. 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-0505-014	20	5	-40 to +100	-40 to +125	Lens Cap
LS-0505-015			-40 to +85		Glob Top

> Electrical and Optical Characteristics

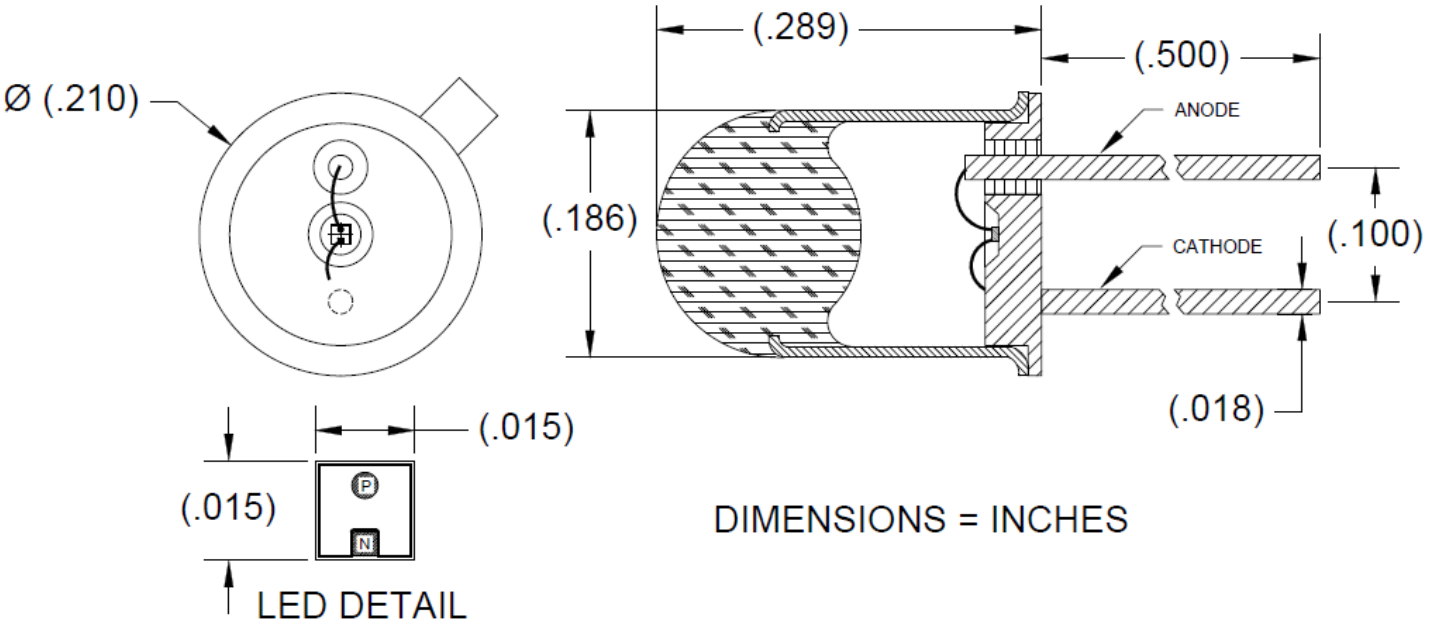
Typical Characteristics (T=23°C unless specified)						
Parameter	**Test Conditions**	**Symbol**	**Min**	**Typical**	**Max**	**Unit**
Forward Voltage	I_f = 20 mA	V_F	-	3.3	3.5	V
Reverse Current	V_R=5V	I_R	-	-	1	µA
Peak Wavelength	I_f = 20 mA	λ_p	-	502	-	nm
Dominant Wavelength	I_f = 20 mA	λ_D	502	505	508	nm
Spectral Halfwidth	I_f = 20 mA	$\Delta\lambda$	-	30	-	nm
Luminous Intensity	I_f = 20 mA	I_v	300	400	500	mcd
Luminous Flux	I_f = 20 mA	Φ_v	-	1700	-	mlm
Radiant Intensity	I_f = 20 mA	I_e	-	1.1	-	mW/sr
Radiant Power	I_f = 20 mA	Φ_e	-	7.4	-	mW

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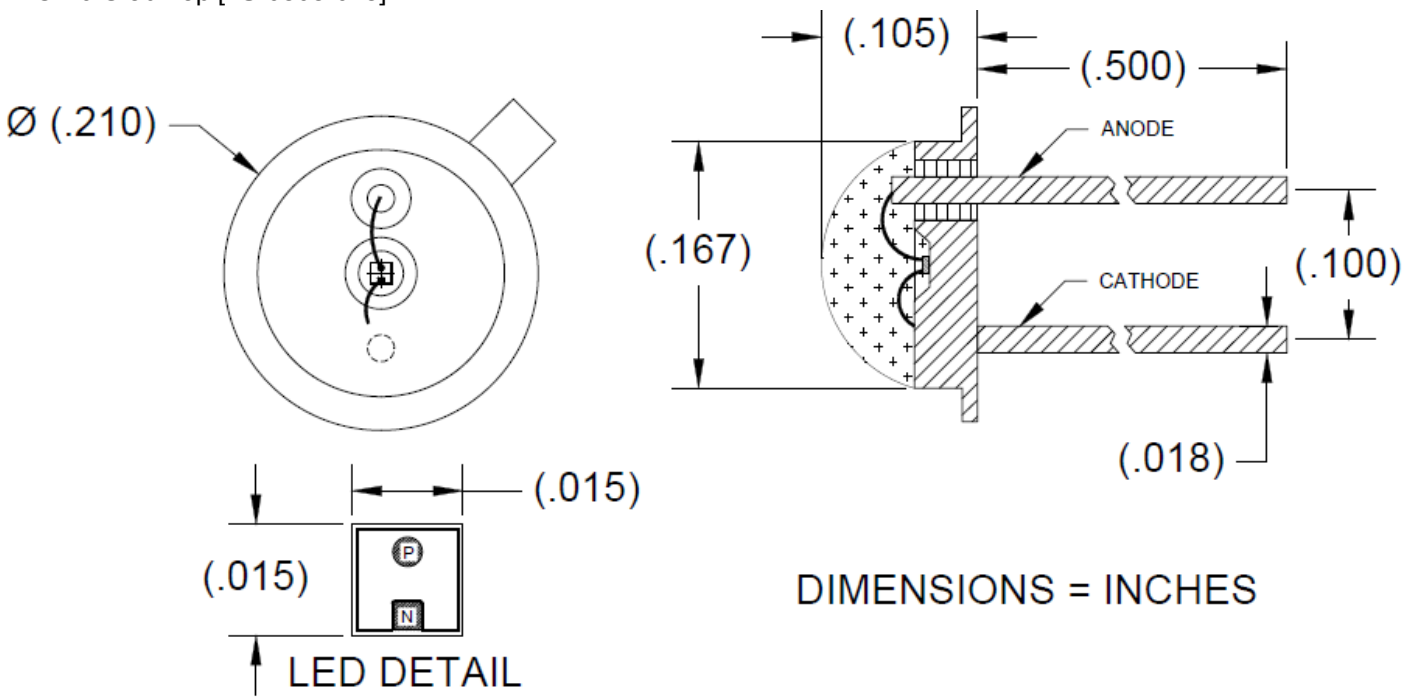
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> TO-46 Lens Cap [LS-0505-014]



> TO-46 Glob Top [LS-0505-015]



>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.

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