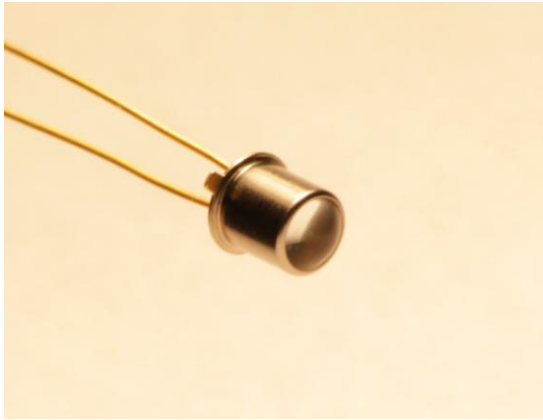


LS-1300 Series



FEATURES

- 1300nm Peak Wavelength
- Long Life
- RoHS Compliant
- High Reliability

DESCRIPTION

The LS-1300 Series are AlGaAs LEDs with peak wavelength of 1300nm. Available in a TO-46 lens cap and a TO-46 glob top. The lens cap have a narrow viewing angle.

APPLICATIONS

- Home automation
- Smart Appliances
- Security / surveillances systems
- IR data transmission
- Sensor technology
- Remote control
- Consumer electronics
- Industrial equipment applications
- Miniature photo interrupters
- Drive and control circuits

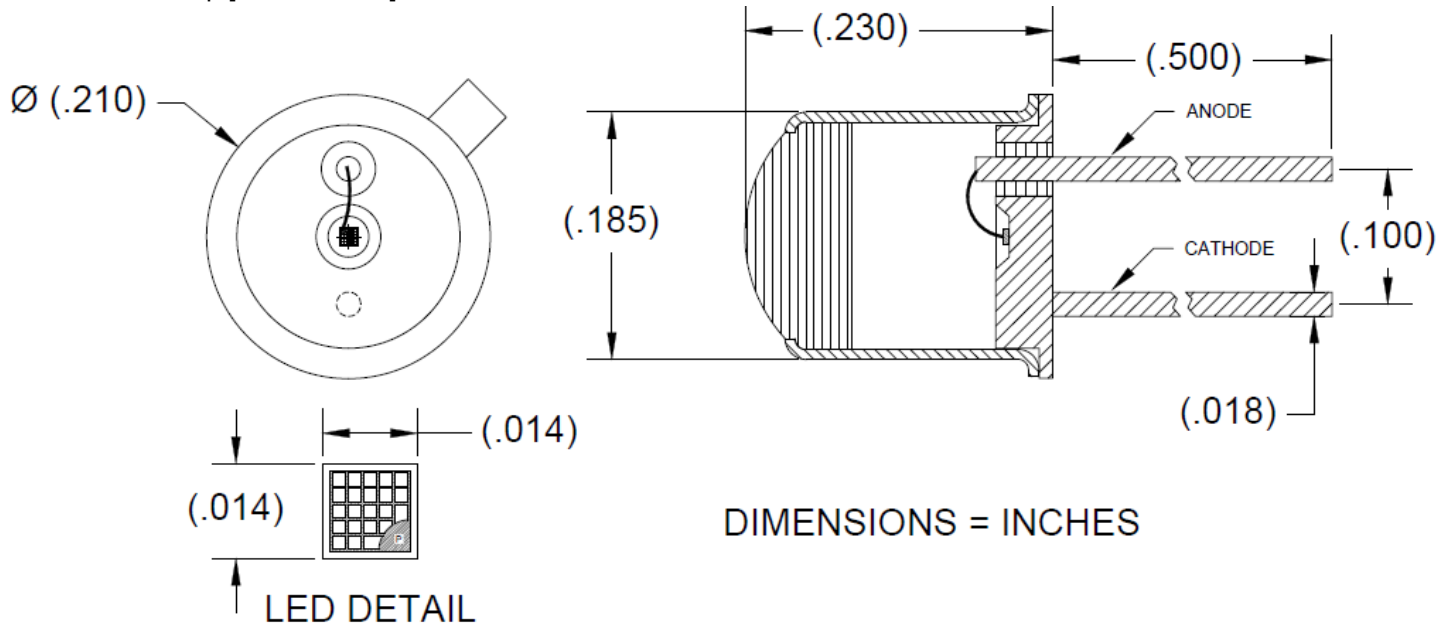
> Absolute Maximum Ratings

Part No.	Forward DC Current [mA]	Reverse Voltage [V]	Operating Temperature [C]	Storage Temperature [C]	Package
LS-1300-017	100	5	-40 to +100	-40 to +125	Lens Cap
LS-1300-015			-40 to +85		Glob Top

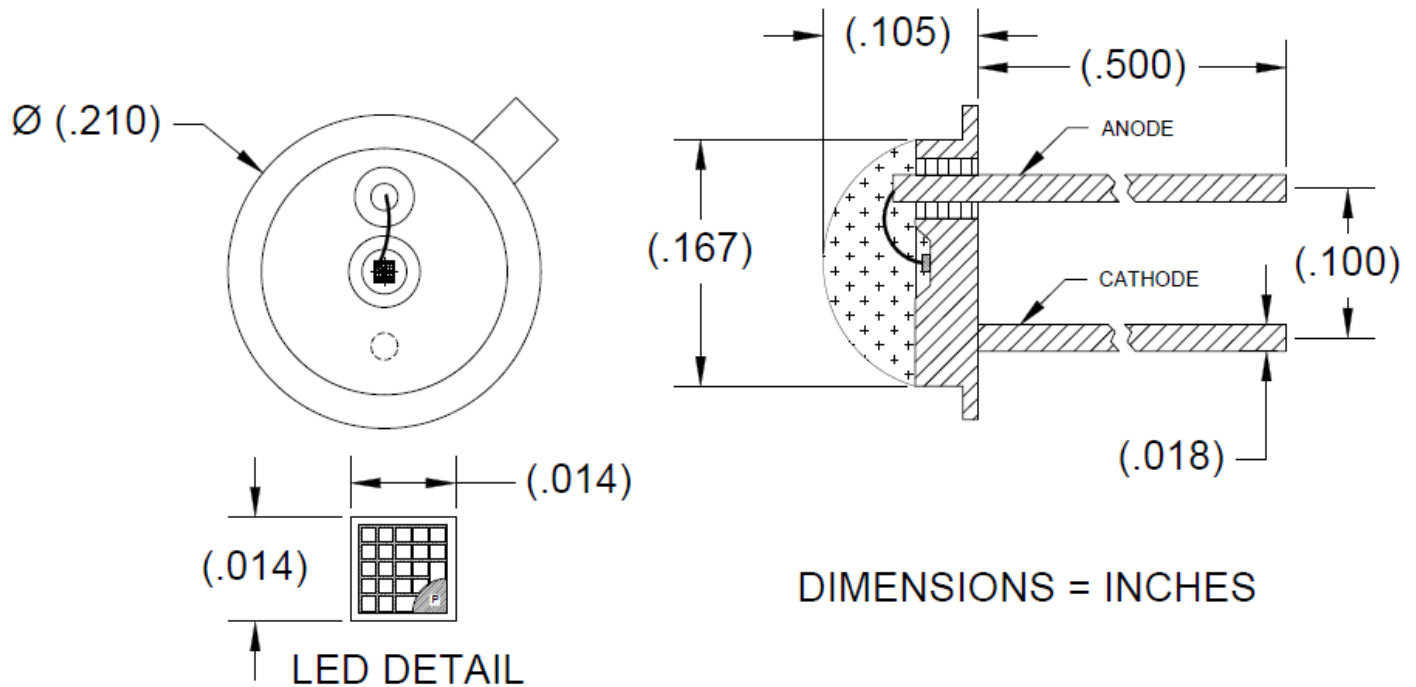
> Electrical and Optical Characteristics

Typical Characteristics (T=23°C unless specified)						
Parameter	Test Conditions	Symbol	Min	Typical	Max	Unit
Forward Voltage	I _f = 20 mA	V _F	-	0.85	1.05	V
	I _f = 100 mA		-	0.95	1.15	
Peak Wavelength	I _f = 20 mA	λ _p	1270	1300	1330	nm
Spectral Halfwidth	I _f = 20 mA	Δλ	-	85	-	nm
Radiant Power	I _f = 20 mA	Φ _e	0.6	0.8	-	mW
	I _f = 100 mA		-	3.5	-	
Switching Time	I _f = 20 mA, Rise	t _r	-	25	-	ns
	I _f = 20 mA, Fall	t _f	-	40	-	

> TO-46 Lens Cap [LS-1300-017]



> TO-46 Glob Top [LS-1300-015]



>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.