



Lead (Pb) Free Product – RoHS Compliant

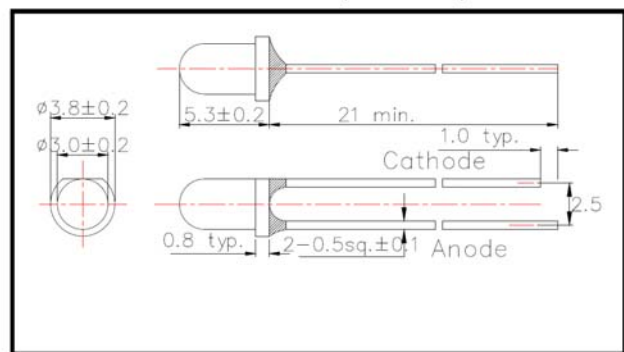
LED430-33 Blue LED Lamp

LED430-33 is an InGaN LED mounted on a lead frame with a clear epoxy lens.
 On forward bias it emits a band of visible light, which peaks 430nm.

◆ Specifications

- 1) Product Name Blue LED Lamp
- 2) Type No. LED430-33
- 3) Chip
- (1) Chip Material InGaN
- (2) Peak Wavelength 430nm typ.
- 4) Package
- (1) Type Φ3mm clear molding
- (2) Resin Material Epoxy Resin
- (3) Lead Frame Soldered

◆ Outer dimension (Unit: mm)



◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	200	mW	T _a =25°C
Forward Current	I _F	50	mA	T _a =25°C
Reverse Voltage	V _R	5	V	T _a =25°C
Operating Temperature	T _{OPR}	-30 ~ +85	°C	
Storage Temperature	T _{STG}	-30 ~ +100	°C	
Soldering Temperature	T _{SOL}	265	°C	

‡Soldering condition: Soldering condition must be completed within 3 seconds at 265°C

◆ Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F =20mA		3.4	4.0	V
Reverse Current	I _R	V _R =5V			10	uA
Total Radiated Power	P _O	I _F =20mA		4.5		mW
Brightness	I _V	I _F =20mA		300		mcd
Peak Wavelength	λ _P	I _F =20mA	425	430	435	nm
Half Width	Δλ	I _F =20mA		25		nm
Viewing Half Angle	θ _{1/2}	I _F =20mA		±15		deg.

‡Brightness is measured by Tektronix J-16.

‡Total Radiated Power is measured by Photodyne #500