

Features

- Low power consumption
- General purpose leads
- Bulk, Available on tape and reel
- High efficiency
- Reliable and robust
- Compliance with EU REACH
- The product itself will remain within RoHS compliant Version

RS PRO LEDs

RS Stock No.: 0588781



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

3mm Bluish Green Round With Flange, Lens color: Water Clear

The series is specially designed for applications requiring higher brightness, and applications such as:

- Telephone
- Computer
- Circuit board
- Status indicators
- Commercial use

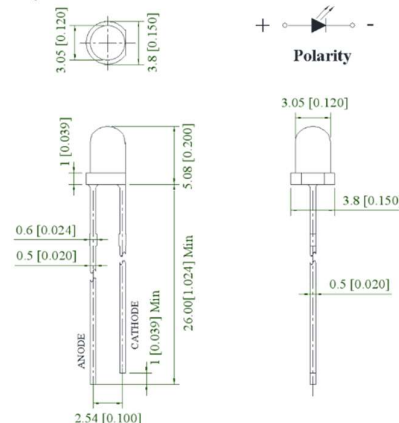
General Specifications

LED Colour	Bluish Green
Dimensions	3mm

Mechanical Specifications

Mechanical Life

Recommended Soldering Pad Dimensions
Soldering Temperature: 260°C for 5 Seconds



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 mm (.010 inch) unless otherwise noted.
3. Protruded resin under flange is 1.00mm (.039 inch) max.

Electrical Specifications

Absolute Maximum Ratings at Ta=25°C

Parameters	Symbol	Max	Unit
Power Dissipation	Pd	90	mW
Peak Forward Current(a)	IFP	100	mA
DC Forward Current(b)	IF	25	mA
Reverse Voltage	VR	5	V
Electrostatic Discharge (HBM)	ESDc	1000	V
Operating Temperature Range	Topr	-40□ to+85□	
Storage Temperature Range	Tstg	-40□ to+85□	
Soldering Temperature	Tstg	260□for 5 Seconds	

Electrical Optical Characteristics at Ta=25°C

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity(a)	IV	5000	8500	---	mcd	IF=20mA
Viewing Angle(b)	2θ1/2	---	30	---	Deg	IF=20mA
Peak Emission Wavelength	λp	---	500	---	nm	IF=20mA
Dominant Wavelength(c)	λd	---	505	---	nm	IF=20mA
Spectral LineHalf-Width	Δλ	---	20	---	nm	IF=20mA
ForwardVoltage	VF	2.6	3.2	3.6	V	IF=20mA
ReverseCurrent	IR	---	---	10	μA	VR=5V

Notes:

a. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve. The Iv guarantee must be included with ±15% testing tolerance.

b. 2θ1/2 is the o-axis angle where the luminous intensity is 1/ 2 the peak intensity.

c. The dominant wavelength (λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

