

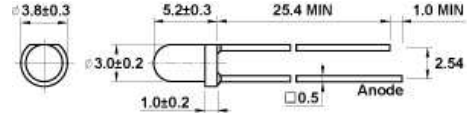
PART#/PRODUCT SEARCH  
55-535HB-0

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### HIGH BRIGHTNESS 3mm LED

Brightness rating @ 20mA



Mode Electronics LED Specifications (3mm)

[LED Color Chart](#)

**Color** Green  
**Brightness** 3000 mcd

- 55-535HB-0** Bulk
- 55-535HB-3** Display Pkg (3)

<http://ledcalculator.net/> <-- Link to the simple LED circuit designer/calculator  
<http://led.linear1.org/led.wiz> <-- Link to the LED series/parallel array design wizard

All LED's (excluding the LED indicator lamps) require a resistor in series to limit the current to the required specification (usually 20mA). Use Ohm's law to calculate the value of the resistor required. Most LED's have a voltage drop of 2 volts. Blue & White LED's are 3.5 - 4 volts.

$V=IR$  (volts = current(amps) x resistance(ohms)). For a 12VDC supply voltage @ 20mA the required resistor would be:  
 $10 \text{ (volts)} / .02 \text{ (amps)} = 500 \text{ ohms}$

**LED'S ARE SUITABLE FOR DC ONLY**