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# Diode Assembly Specifications

## GENERAL:

### Z-Bolt 12 mm Green Laser Dot Module

Part Number	DPSS-50
Color	Green
Units per Sale Package	1 piece
Output Type [Dot / Line]	Dot



## LASER DIODE:

Wavelength	532nm
Output Power	> 50mW
FDA Class / ANSI Class	IIIb / 3B
Factory Power Report	Included
MTTF	> 3000 hrs
Beam Mode	TEM <sub>00</sub>
Beam Diameter	< 1.5mm at aperture
Beam Divergence	< 1.5mrad
Beam Alignment	N/A
IR Filter	Yes

## LASER PACKAGE:

Housing / Case Material	Brass
Circuit Board Exposure	None. Case enclosed
Circuit Type	ACC
Switch Type	None
Operation Mode	CW

## POWER:

Input Voltage	3V DC
Electrical Connections	100 mm leads, red / black
Circuit Polarity	Case Positive
Operating Current	< 650 mA

## DIMENSIONS & WEIGHT:

Length Overall (excluding leads / spring)	33 mm +/- 0.5 mm
Outside Diameter	12mm
Diode Case Length	Same as above
Weight Overall	

## ENVIRONMENT

Operating Temperature	15C° ~ 35C°
Warm Up Time	< 3 seconds

## SPECIAL FEATURES

Built In Heat Sink	N/A
Aspheric Lens	N/A
Adjustable dot size at various distances	N/A

## DIAGRAM

