



Beam of Light Technologies, Inc.
 10117 SE Sunnyside Rd, # F, MB 324
 Clackamas, Oregon, 97015, US
 503-867-1617 603-386-6644 Fax
 John@Z-Bolt.com
 Z-Bolt is registered trademark of Beam of Light Technologies, Inc. All Rights Reserved

Diode Assembly Specifications

GENERAL:

Z-Bolt 12 mm Green Laser Dot Module

Part Number	DPSS-100-SP
Color	Green
Units per Sale Package	1 piece
Output Type [Dot / Line]	Dot, Aspheric Lens



LASER DIODE:

Wavelength	532nm
Output Power	> 100mW
FDA Class / ANSI Class	IIIb / 3B
Factory Power Report	Included
MTTF	> 3000 hrs
Beam Mode	TEM ₀₀
Beam Diameter	< 1.5mm at aperture
Beam Divergence	< 0.75mrad
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	Yes
Adjustable dot size at various distances	N/A

DIAGRAM

