



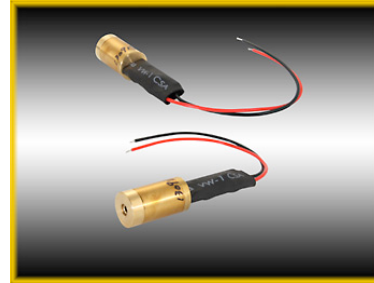
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Diode Assembly Specifications

GENERAL:

Z-Bolt SD-5M-LT-DOT

Part Number	SD-5M-LT-DOT
Color	515nm Green
Units per Sale Package	5 pieces
Output Type [Dot / Line]	Dot



LASER DIODE:

Wavelength	515nm
Output Power	Certified 4.0 ~ 5.0mW
FDA Class / ANSI Class	Class IIIa / 3R
Factory Power Report	Included
MTTF	>5000hr
Beam Mode	TEM ₀₀
Beam Diameter	2.0mm at aperture
Beam Divergence	< 1.2 mrad

LASER PACKAGE:

Housing / Case Material	Brass
Diode Circuit Type	Single Transverse Mode Semiconductor
Operation Mode	Continuous Wave

POWER:

Input Voltage	3 ~ 5V DC
Electrical Connections	100mm leads, red / black
Circuit Polarity	Case Positive
Operating Current	< 300 mA @ 3V

DIMENSIONS & WEIGHT:

Outside Diameter	8mm +/-0.1mm
Diode Case Length	18.5mm +/-0.5mm (no pcb)
Diode Case Length (pcb & brass casing)	41.5mm +/-0.5mm

ENVIRONMENT

LOW Temperature Operation	-10C° ~ +50C°
Power Stability @ 30 min.	< +/- 3% (constant temp) < +/-5% (over operating temp)

DIAGRAM

