



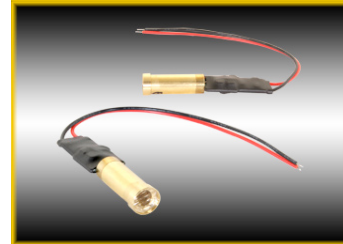
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Diode Assembly Specifications

GENERAL:

Z-Bolt SD-5M-LT-LINE

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



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 Fan Angle | 20°, 36°, 60° |
| Beam Line Width | < 5mm @ 5 meter |

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 | 9mm +/-0.1mm |
| Diode Case Length | 17mm +/-0.5mm (no pcb) |
| Diode Case Length (pcb & brass casing) | 44.5mm +/-0.5mm |

ENVIRONMENT

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

DIAGRAM

