

OEM-F-520/1-800mW

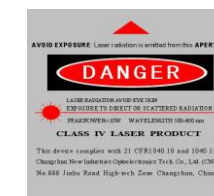
SPECIFICATIONS

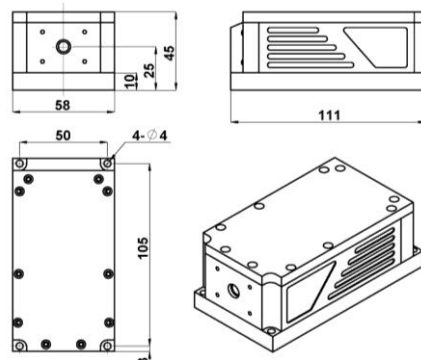
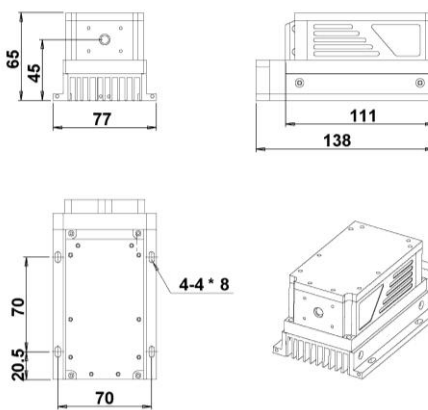
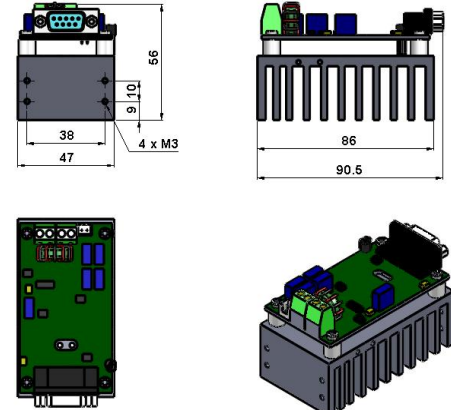
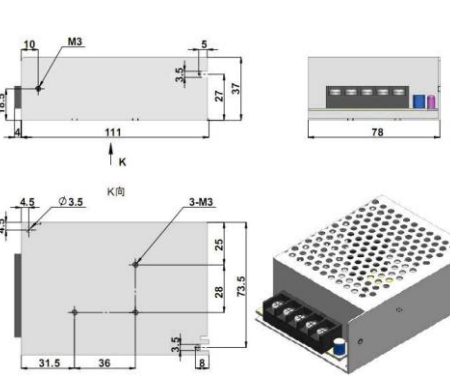
OEM GREEN DIODE LASER  
AT 520nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in laser projection, laser shows, biomedical applications, holography, metrology, etc.



|                                                       |                                                              |
|-------------------------------------------------------|--------------------------------------------------------------|
| Wavelength (nm)                                       | 520±10                                                       |
| Operating mode                                        | CW                                                           |
| Output power (mW)                                     | >1, 100, 500, ..., 800                                       |
| Power stability (rms, over 4 hours) at 25℃            | <1%, <3%, <5%                                                |
| Transverse mode                                       | Multimode                                                    |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~1.5×3.5                                                     |
| Beam divergence, half angle (mrad)                    | <1.3×0.1                                                     |
| Warm-up time (minutes)                                | <5                                                           |
| Beam height from base plate (mm)                      | 25 (OEM-F-520) / 45 (F-520-HS)                               |
| Operating temperature (℃)                             | 25+/-3 (OEM-F-520) / 10-35 (F-520-HS)                        |
| Power supply                                          | PSU-SD-OEM                                                   |
| TTL / Analog modulation                               | TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional |
| Expected lifetime (hours)                             | 10000                                                        |
| Warranty                                              | 1 year                                                       |



| OEM-F-520                                                                                                                                 | F-520-HS                                                                                                                                   | PSU-SD-OEM                                                                                                                                   | Adapter (8VDC 5A)                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>111 (L) × 58 (W) × 45 (H) mm<sup>3</sup>, 0.7kg</p> |  <p>138 (L) × 77 (W) × 65 (H) mm<sup>3</sup>, 1.0kg</p> |  <p>90.5 (L) × 47 (W) × 56 (H) mm<sup>3</sup>, 0.3kg</p> |  <p>115 (L) × 78 (W) × 37 (H) mm<sup>3</sup>, 0.3kg</p> |

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