

MRL-III -680R/1~200mW

### SPECIFICATIONS

### RED DIODE LASER At 680nm

Diode red laser 680nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, laser lighting show, etc.



|   |   |             |             |
|---|---|-------------|-------------|
| Wavelength (nm)                         | 680±5   |             |             |
| Output power (mW)                       | >1, 5, 10, ..., 200                                       |             |             |
| Energy distribution                     | Even  |             |             |
| Beam Spot                               | Round   |             |             |
| Operating mode                          | CW  |             |             |
| Power stability (rms, over 4 hours)     | <1%, <3%, <5%   |             |             |
| Warm-up time (minutes)                  | <5  |             |             |
| Beam divergence, full angle (mrad)      | <8. 0   |             |             |
| Dimensions of beam at the aperture (mm) | ~2. 0   |             |             |
| Beam height from base plate (mm)        | 24. 8   |             |             |
| Operating temperature (°C)              | 10~35   |             |             |
| Power supply (90-264VAC or 5VDC)        | PSU-III-LED   | PSU-III-FDA | PSU-III-OEM |
| Modulation option                       | TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off |             |             |
| Expected lifetime (hours)               | 10000   |             |             |
| Warranty                                | 1 year  |             |             |



| MxL-III -680                                      | PSU-III-LED  | PSU-III-FDA  | PSU-III-OEM   |
|---|--|--|---|
| <p>139(L)×73(W)×46.2(H) mm<sup>3</sup>, 0.6kg</p> | <p>153 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</p> | <p>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p> | <p>100 (L) ×62(W) ×56 (H) mm<sup>3</sup>, 0.2kg</p> |
|   |  |  |   |