



MRL-III-680R/1~200mW



RED DIODE LASER  
AT 680nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, spectrum analysis, laser lighting show, etc.



SPECIFICATIONS

|                                     |  |  |
|-------------------------------------|--|--|
| Central wavelength (nm)             | 680±5  |  |
| Operating mode                      | CW   |  |
| Output power (mW)                   | >1,10,20,..., 150  | >150,160, ... ,200                                 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3%  |  |
| Transverse mode                     | Round  |  |
| Beam diameter at the aperture (mm)  | ~2   | ~2   |
| Beam divergence, full angle (mrad)  | ~10  | ~20  |
| Warm-up time (minutes)              | <5   |  |
| Beam height from base plate (mm)    | 24. 8  |  |
| Operating temperature (°C)          | 10~35  |  |
| Power supply                        | 85-264VAC  | PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz) |
|                                     | 100-240VAC   | PSU-A-D (Frequency for 30kHz -100kHz)              |
| TTL/ Analog modulation              | TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional |  |
| Expected lifetime (hours)           | 10000  |  |
| Warranty                            | 1 year   |  |



| MRL-III-680R                                       | PSU-III-LED  | PSU-III-FDA  | PSU-A-D  |
|--|--|--|--|
| <p>143.5(L)×73(W)×46.2(H)mm<sup>3</sup>, 0.7kg</p> | <p>188.6 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</p> | <p>171(L) ×130(W) ×62.2 (H)mm<sup>3</sup>, 1.2kg</p> | <p>162(L) ×144(W) ×70 (H)mm<sup>3</sup>, 1.0kg</p> |