



**MLL-III-680/1~800mW**



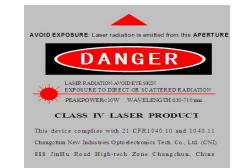
**LOW NOISE RED DIODE LASER  
AT 680nm**

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+10/-5  |  |
| Operating mode                      | CW   |  |
| Output power (mW)                   | >1, 100, 200, ... , 800  |  |
| Power stability (rms, over 4 hours) | <3%, <2%, <1%, <0.5%   |  |
| Transverse mode                     | Multimode  |  |
| Noise of amplitude(rms, 1Hz~20MHz)  | <1%  |  |
| Beam diameter at the aperture (mm)  | ~5×8   |  |
| Beam divergence, full angle (mrad)  | <3. 0  |  |
| 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)              |
| Modulation optional                 | TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz;<br>and Analog modulation optional |  |
| Expected lifetime (hours)           | 10000  |  |
| Warranty                            | 1 year   |  |



| MLL-III-680   | PSU-III-LED  | PSU-III-FDA   | PSU-A-D   |
|---|--|---|---|
| <p style="text-align: center;">146 (L) × 73(W) × 46.2 (H) mm<sup>3</sup>, 0.7kg</p> | <p style="text-align: center;">188.6 (L) × 155(W) × 92 (H) mm<sup>3</sup>, 1.5kg</p> | <p style="text-align: center;">171(L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p> | <p style="text-align: center;">162(L) × 144(W) × 70 (H) mm<sup>3</sup>, 1.0kg</p> |