



MDL-III-785R/1~300mW

SPECIFICATIONS




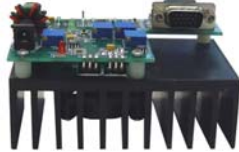
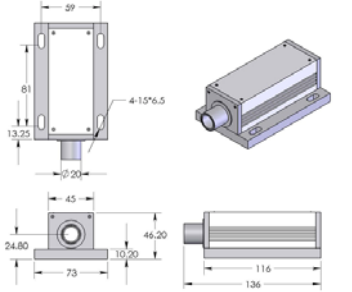
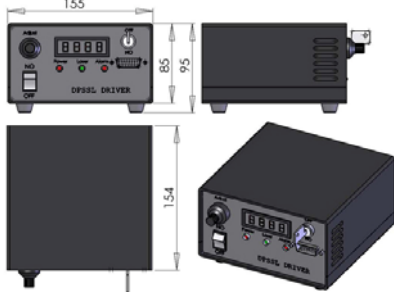
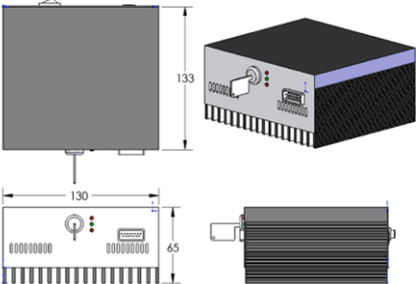
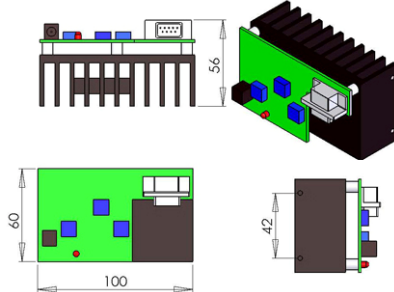
INFRARED DIODE LASER
AT 785nm

Diode infrared laser module at 785nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



| | | | |
|---|---|-------------|-------------|
| Wavelength (nm) | 785 ± 5 | | |
| Output power (mW) | >1, 50, 100, ... , 300 | | |
| Energy distribution | Even | | |
| Beam Spot | Round | | |
| 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 | | |
| Pointing stability after warm-up (mrad) | <0.05 | | |
| 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-785R | PSU-III-LED | PSU-III-FDA | PSU-III-OEM |
|--|---|---|--|
|  <p>140. 8(L)×73(W)×46. 2(H) mm³, 0.6kg</p> |  <p>154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p> |  <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p> |  <p>100 (L) ×60(W) ×56 (H) mm³, 0.2kg</p> |
|  |  |  |  |