

## **PDF DATA SHEET**

EFORCEAUSTRALIA PTY.LTD ACN:159 503 401

MRL-III-FS-635/600~800mW

## **RED DIODE LASER** At 635nm

Diode red laser 635nm 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.







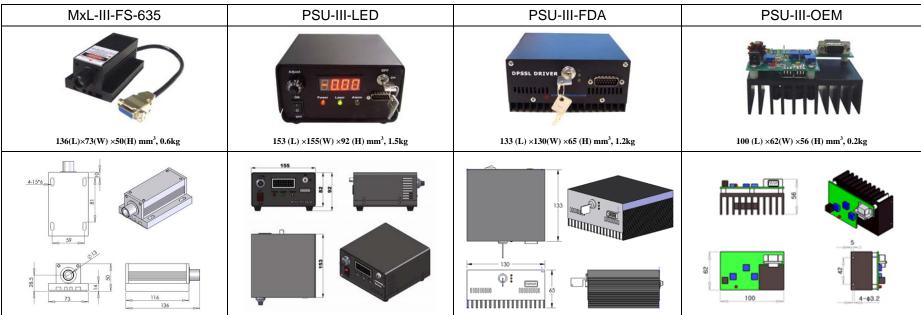


## **SPECIFICATIONS**

| Wavelength (nm)                         | 635 ± 5  |             |             |
|---|--|-------------|-------------|
| Output power (mW)                       | >600, 610, 620, , 800  |             |             |
| Transverse mode                         | Near TE <sub>00</sub>  |             |             |
| Operating mode                          | CW   |             |             |
| Power stability (rms, over 4 hours)     | <1%, <3%, <5%  |             |             |
| Warm-up time (minutes)                  | <5   |             |             |
| M <sup>2</sup> factor                   | <20  |             |             |
| Beam divergence, full angle (mrad)      | <2.5   |             |             |
| Dimensions of beam at the aperture (mm) | ~5×8   |             |             |
| Beam height from base plate (mm)        | 28.5   |             |             |
| Polarization ratio                      | >50:1  |             |             |
| 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   |             |             |
| Remarks                                 | MRL-635 is a diode laser module, so the beam quality is not as good as the solid-state laser at 671nm. The beam spot is nearly square. |             |             |







Website: http://www.eforcelaser.com.au E-mail: sales@eforcelaser.com.au Fax: 03-83954370