

**MDL-E-635/1~30mW**



**NARROW LINEWIDTH  
DIODE LASER AT 635nm**

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.



**SPECIFICATIONS**

|                                                      |                                                                     |
|------------------------------------------------------|---------------------------------------------------------------------|
| Central wavelength (nm)                              | 635±5                                                               |
| Operating mode                                       | CW                                                                  |
| Output power (mW)                                    | >1, 2, 3, ...,30                                                    |
| Power stability (rms, over 4 hours)                  | <1%, <2%, <3%                                                       |
| Transverse mode                                      | Near TEM <sub>00</sub>                                              |
| Spectral linewidth (nm)                              | <0.06 (<0.03, optional)                                             |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~3.0                                                                |
| Beam divergence, full angle (mrad)                   | <1.0                                                                |
| Polarization ratio                                   | >50:1 (>100:1, optional)<br>Horizontal±5 degree (Vertical Optional) |
| Warm-up time (minutes)                               | <5                                                                  |
| Beam height from base plate (mm)                     | 30                                                                  |
| Operating temperature (°C)                           | 20~30                                                               |
| Power supply (100-240VAC)                            | PSU-A-D                                                             |
| Expected lifetime (hours)                            | 10000                                                               |
| Warranty                                             | 1 year                                                              |



| MDL-E-635                                              | PSU-A-D                                               |
|--------------------------------------------------------|-------------------------------------------------------|
| <p>122.5(L) × 65(W) × 50 (H) mm<sup>3</sup>, 1.0kg</p> | <p>162(L) × 144(W) × 70 (H) mm<sup>3</sup>, 1.0kg</p> |