



MSL-III-532-AOM/1~30mW

**HIGH FREQUENCY MODULATED  
SINGLE LONGITUDINAL MODE  
GREEN LASER AT 532 nm**

High frequency modulated laser system has such characteristics as quick modulation rate, high extinction ratio, easy coding and convenient use. Laser modulation frequency of this laser system can be up to 1MHz, It is mainly used in such fields as laser text-image processing , laser lithography, laser Phototypesetting, and laser digital communication. It is suitable for OEM system integration and scientific research laboratories etc..



SPECIFICATIONS

|   |                        |
|---|------------------------|
| Wavelength (nm)                                     | 532±1                  |
| Operating mode                                      | CW                     |
| Output power (mW)                                   | >1, 5, ... , 30        |
| Power stability (rms over 4 hours)                  | <1%, <2%, <3%          |
| Transverse mode                                     | Near TEM <sub>00</sub> |
| Longitudinal mode                                   | Single                 |
| Spectral linewidth (nm)                             | <0.00001               |
| Coherent length (m)                                 | >50                    |
| Optical Noise (rms, 1~20MHz)                        | <0.5%                  |
| M <sup>2</sup> factor                               | <1.3                   |
| Beam diameter at the aperture 1/e <sup>2</sup> (mm) | ~1.5                   |
| Beam divergence, full angle (mrad)                  | <1.2                   |
| Beam height from base plate (mm)                    | 24.8                   |
| Operating temperature (°C)                          | 15~35                  |
| Power supply (90-264VAC)                            | PSU-III-FDA-AOM        |
| Modulation  | 1MHz                   |
| Expected lifetime (hours)                           | 10000                  |
| Warranty  | 1 year                 |



| MSL-III-532-AOM                                     | PSU-III-FDA-AOM   |
|---|---|
| <p>194(L) x 88(W) x 57(H) mm<sup>3</sup>, 1.6kg</p> | <p>290 (L) x 140(W) x 94 (H) mm<sup>3</sup>, 2.3 kg</p> |