



MLL-S-561-AOM

HIGH FREQUENCY MODULATED ALL-SOLID-STATE LASER

The modulation frequency of high frequency modulation laser system is up to 1MHz. It can be used in the field like laser graphic processing, laser digital communications, etc. It has the feature of high extinction ratio, coding easily, convenient use, etc.



SPECIFICATIONS

|                                      |  |
|--------------------------------------|--|
| Model                                | MLL-S-561-AOM                                |
| Wavelength (nm)                      | 561±1  |
| Operating mode                       | CW   |
| Output power (mW) <sup>1</sup>       | 1-40   |
| Power stability (rms, 4 hours ±3°C)  | <2%, <1%                                     |
| Transverse mode                      | TEM <sub>00</sub> (single mode fiber output) |
| Noise of amplitude (rms, 20Hz-20MHz) | <1%, (<0.5%,0.25% optional)                  |
| M <sup>2</sup>                       | <1.2   |
| Fiber connector                      | FC/APC                                       |
| Fiber jacket                         | PVC(black)                                   |
| Fiber length <sup>2</sup>            | 1m   |
| Warm-up time (minutes)               | <5   |
| Operating temperature (°C)           | 10-35  |
| Modulation optional                  | DC-1MHz;TTL or Analog optional               |
| Power supply (100-240VAC)            | PSU-A-F-AOM                                  |
| Power supply (VDC)                   | PSU-A-F-AOM-OEM (24V/2A)                     |
| Expected lifetime (hours)            | >10000                                       |

| LASER HEAD <sup>3</sup>  | HEATSINK (optional TC-02-FS)   |
|--|--|
| <p style="text-align: center;"><b>125(L)×75(W)×46(H) mm<sup>3</sup></b></p>      | <p style="text-align: center;"><b>202(L)×110(W)×47.5(H) mm<sup>3</sup>, 1.25kg</b></p> |
| POWER SUPPLY (PSU-A-F-AOM)   | DRIVER (PSU-A-F-AOM-OEM) <sup>4</sup>  |
| <p style="text-align: center;"><b>215(L) × 154(W) × 85(H) mm<sup>3</sup></b></p> | <p style="text-align: center;"><b>184(L)×154(W)×45.1(H)mm<sup>3</sup></b></p>          |

1. Any power level can be selected in this range.
2. Other lengths are available on request.
3. The laser head needs to be used on a heat sink with good heat dissipation.