

OEM-F-473/1-500mW

LD PUMPED ALL-SOLID-STATE
OEM BLUE LASER

All solid state 473 nm blue laser is made features of ultra compact, long lifetime, low cost and easy operating. It's easy to be installed in customer's equipment.



SPECIFICATIONS

| | | |
|---|---|--|
| Wavelength (nm) | 473±1 | |
| Output power (mW) | >1, 50, 100, ..., 150 | 200, 250, 300, ..., 500 |
| Transverse mode | TEM ₀₀ | Near TEM ₀₁ |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) at 25°C | <3%, <5%, <10% | <5%, <10% |
| Warm-up time (minutes) | <10 | |
| M ² factor | <1.2 | <1.5 |
| Beam divergence, full angle (mrad) | <10 | <15 |
| Beam diameter at the aperture (mm) | <1.0 | |
| Beam height from base plate (mm) | 25 | |
| Operating temperature (°C) | 22.5±/-2.5 | |
| Operating current of Diode (A) | 0-2.5 | 0-5.5 |
| Operating voltage of Diode (V) | ~2.0 | |
| Pins information | 11, 12: positive of diode; 1, 2: negative of diode | 5,6,7,8: positive of diode; 12,13,14,15: negative of diode |
| Power supply (optional) | PSU-III-OEM (5VDC) | PSU-OEM-N (two channels 6 & 10V) |
| Modulation option | TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option | |
| Expected lifetime (hours) | 5000 | |
| Warranty time | The warranty is 3 months, excluding the LD failure. | |



Note: The power supply needs to be with the over current protection function.

| OEM-F-473 | PSU-III-OEM | PSU-OEM-N | Accessories |
|--|---|---|---------------------------------------|
| <p>111(L)×58(W)×45(H) mm³, 0.74kg</p> | <p>100 (L)×62(W)×56 (H) mm³, 0.2kg</p> | <p>170(L)×60(W)×29(H) mm³, 0.15 kg</p> | <p>Collimation system</p> |
| | | | <p>V1: DC 6V 8A V2: DC 10V 8A</p> |