

OEM-SD-442/3000mW

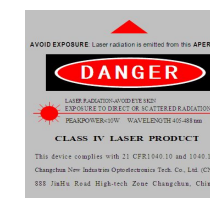
OEM BLUE DIODE LASER AT 442NM

OEM blue diode laser at 442 nm 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) | 442±5 | |
| Operating mode | CW | |
| Output power (mW) | 3000 | |
| Power stability (rms, over 4 hours) at 25°C | <1%, <3%, <5% | |
| Polarization direction | Horizontal/ Vertical | Horizontal+ Vertical |
| Beam diameter at the aperture (1/e ² ,mm) | ~4.7×2.7 | ~2.7×2.7 |
| Beam divergence, full angle (mrad) | ~1.4×0.2 | |
| Warm-up time (minutes) | <5 | |
| Beam height from base plate (mm) | 28.5 (OEM-SD-442) | 68.5 (SD-442-HS) |
| Operating temperature (°C) | 25+/-3 (OEM-SD-442) | 10-35 (SD-442-HS) |
| Power supply (100-240VAC) | PSU-H-LED/ PSU-H-FDA | |
| TTL / Analog modulation | TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



| OEM-SD-442 | SD-442-HS | PSU-H-LED | PSU-H-FDA |
|---|---|--|--|
| <p>107(L)×77(W)×51(H) mm³, 1.0kg</p> | <p>131.2(L)×99(W)×91(H) mm³, 1.6kg</p> | <p>277 (L) ×145(W) ×106(H) mm³, 2.3kg</p> | <p>275 (L) ×145(W) ×104(H) mm³, 2.1kg</p> |