



MDL-D-454/5-8W

SPECIFICATIONS



**BLUE DIODE LASER  
AT 454nm**

Blue diode laser at 454nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating. It's easy to be installed in customer's equipment.



Wavelength (nm)	454±5
Operating mode	CW
Output power (mW)	>5000, 6000, ..., 8000
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Polarization direction	Horizontal+ Vertical
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~3.2×3.2
Beam divergence, full angle (mrad)	~1.4×0.2
Warm-up time (minutes)	<5
Beam height from base plate (mm)	68.2
Operating temperature (°C)	10-35
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



MDL-D-454	PSU-H-LED	PSU-H-FDA
<p>167.1(L)×126(W)×90.2(H) mm<sup>3</sup>, 3.2kg</p>	<p>277 (L) ×145(W) ×106(H) mm<sup>3</sup>, 2.3kg</p>	<p>275 (L) ×145(W) ×104(H) mm<sup>3</sup>, 2.1kg</p>