

Opto Engine LLC

Data sheet

Rev. 1709

MDL-F-470/1000~2000mW



BLUE DIODE LASER AT 470nm

Diode laser module at 470nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in scientific research, ect.



SPECIFICATIONS

Wavelength (nm)	470±5
Operating mode	CW
Output power (mW)	>1000, 1100, 1200, ...,2000
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Transverse mode	Multimode
Beam diameter at the aperture ((1/e ² ,mm)	~2.7×2.7
Beam divergence, full angle (mrad)	1.4×0.2
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	45
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

