



MDL-III-793/1~2000mW

**INFRARED DIODE LASER  
AT 793nm**

Diode infrared laser module at 793nm is made features of ultra compact, long lifetime and easy operating, which is used in pumping Tm:YAG, Tm:YLF and so on.



SPECIFICATIONS

Wavelength (nm)	793±3	
Output power (mW)	>1, 100, 200, 300, ..., 2000	
Transverse mode	Near TE <sub>00</sub>	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
M <sup>2</sup> factor	<20	
Beam divergence, full angle (mrad)	<3.0	
Dimensions of beam at the aperture (mm)	~5×8	
Beam height from base plate (mm)	24.8	
Polarization ratio	>50:1	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-793	PSU-III-LED	PSU-III-FDA
 <p>136(L)×73(W) ×46.2(H) mm<sup>3</sup>, 0.6kg</p>	 <p>153 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</p>	 <p>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p>
		