



MDL-III-820-SLD/1~12mW



INFRARED DIODE LASER
AT 820nm

It features a wide spectral linewidth, short coherent length, long lifetime and easy operation. They are widely used in medical treatment, machine visual field, metrology, fiber optic current sensing, etc.



SPECIFICATIONS

Central wavelength (nm)	820±20	
Spectral linewidth (nm)	~25	
Operating mode	CW	
Output power (mW)	>1,2,3,..., 12	
Power stability (rms, over 4 hours)	<3%, <2%, <1%, <0.5%	
Transverse mode	Near TEM ₀₀	
M ² factor	<1.5	
Beam diameter at the aperture (1/e ² ,mm)	<2.5	
Beam divergence, full angle (mrad)	<1.5	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	24. 8	
Operating temperature (°C)	10~35	
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)
	100-240VAC	PSU-A-D (Frequency for 30kHz -100kHz)
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz; and Analog modulation optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MDL-III-820-SLD	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p>143.5(L)×73(W)×46.2(H) mm³, 0.7kg</p>	<p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p>	<p>162(L) ×144(W) ×70 (H) mm³, 1.0kg</p>