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DATA SHEET

INFRARED DIODE LASER AT 785nm

Diode infrared laser module at 785nm is made features of ultra-compact, long lifetime, cost-effective and easy operating, which is used in measurement, communication, spectrum analysis, etc.



Model: MDL-III-785/1~2500mW

Model	MDL-III-785	
Wavelength (nm)	785 ± 5nm	
Output Power (mW)	>100, 200, ..., 2500	
Dimensions of beam at the aperture (mm)	~5 x 8	
Transverse Mode	Multimode	
Operating Mode	CW	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<3.0	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply	85-264VAC	PSU-III-FDA / PSU-III-LED (Frequency for 1Hz-30kHz)
	100-240VAC	PSU-A-D (Frequency for 30kHz -100kHz)
Modulation	TTL/Analog 1Hz-1KHz, 1Hz-10KHz, 1Hz-30KHz, 30kHz-100kHz, optional	
Expected lifetime (hours)	10,000	
Warranty period	1 year	

MxL-III-785	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
<p>146(L) × 73(W) × 46.2(H) mm³, 0.7kg</p>	<p>171(L) × 130(W) × 62.2(H) mm³, 1.2kg</p>	<p>188.6(L) × 155(W) × 92(H) mm³, 1.5kg</p>	<p>162(L) × 144(W) × 70(H) mm³, 1.0kg</p>