

DATA SHEET

INFRARED DIODE LASER AT 825nm

Diode infrared laser module at 825nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



Wavelength (nm)	825 ±3		
Output Power (mW)	>100, 200, ..., 2500		
Transverse Mode	Near TE ₀₀		
Operating Mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
M ² factor	<20		
Beam divergence, full angle (mrad)	<3.0		
Beam diameter at the aperture (mm)	5~8		
Beam height from base plate (mm)	29		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
Modulation	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off		
Expected lifetime (hours)	10,000		
Warranty period	1 year		

MxL-H-825	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
152.5(L) ×77(W) ×60(H) mm³, 0.9kg	268 (L) ×145(W) ×106 (H) mm³, 2.6 kg	238 (L) ×146(W) ×102 (H) mm³, 2.3kg	238 (L) ×146(W) ×94 (H) mm³, 2.2kg