

880nm Laser Diode Module**Electrical and Optical Characteristics: (Tc=25°C +/- 3°C)**

Parameter	Min.	Typ.	Max.	Unit	Remark
Input power source	2.6	-	3.5	Volt	
Consumption Current	-	25	35	mA	
Output power	1.5	-	3	mW	Class III a
Beam Dimension (Output Aperture)	-	3.5 X 1.7 (±0.5)	-	mm	No ghost spot at 3M
Wavelength	877	880	886	nm	
Life Time	-	10000	-	hrs	

* **Wire Definition : DC +3.1V -- Red color , GND -- White color**

Reliability test :

Item	Characterization	Remark
Vibration test	Depend on customer	
Drop test	8 times at 1 meter after packing	
Voltage test	2.6V ~ 3.5V	
Temperature test	0°C ~ 40°C	

Precautions**Heat Sinking :**

If the case temperature of the laser diode exceeds its maximum specification, premature or catastrophic failure may occur. To ensure the maximum life of the laser diode, it is recommended that an additional electrically insulated heatsink, of at least 35sq.cm. be used. Thermal transfer cream can be used to improve contact and heat dissipation. Do not restrict air circulation around the device.

Power Connections :

The Compact laser diode modules require a regulated input voltage of 2.6-3.5V DC. Connections are made via the 2 pre-tinned external flying leads, (red is positive, white is negative).

WARNING: The housing is internally connected to the positive supply rail.

Specifications subject to change without notice.

Laser Safety

1. Do not look into the laser beam directly by eyes. The laser beam may cause severe damage to human eyes.
2. Optical Lens is made of plastic or glass . Do not contaminate lens by soiling, oil or chemical.