

**445nm 5W Fiber Coupled LD Module | 400um 600um 800um UV Fiber Optional**  
**440nm~450nm| 5W Output Power| TEC Cooling Optional | Fiber Pigtail Laser Diode| HHL Package**  
**WSLB-445-005-H      Wavespectrum Laser, Inc.      www.wavespectrum-laser.com**

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	5.0	V
Operating Temperature	$T_{op}$	0 ~ +50	°C
Storage Temperature	$T_{stg}$	-40 ~ +85	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

**Features:**

- 445nm
- TEC Cooling Optional
- High Power Output

**Applications:**

- Printing
- Medical Laser Treatment
- Others



**Specifications**

**WSLB-445-005-H**

	Min.	Type	Max.
Center Wavelength@25°C	440nm	445nm	460nm
Spectral Width (FWHM)	----	5nm	----
Output Power	----	5W	----
Recommend Operating Temperature	18°C		
Threshold Current (Typ.)	----	250mA	500mA
Operating Current (Typ.)	----	1.4A	1.6A
Operating Voltage	----	30V	----
Cooling	TEC Cooling Optional		
Fiber Core Diameter	400um		
Fiber Numerical Aperture	0.22/0.37		
Fiber Length	100cm		
Connector Type	SMA905/FC		
Aiming Beam (2mw@650nm)	Optional		



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