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## Approval Sheet

**Part No. : AD-830-0010WF-02BCK**

Version : 0

Date : Jul. 27, 2012

Draw By	Confirmed By	Approval By
		
Date	Date	Date

## 808nm HIGH POWER DIODE LASER MODULE

AD-830-0010WF-02BCK V.0

G830-0010WF-02BCK

Output : 830nm/1W

### Features

High Output Power at 1W

Fiber Core Diameter = 60 $\mu$ m

### Applications

Pumping source for laser system

Printing

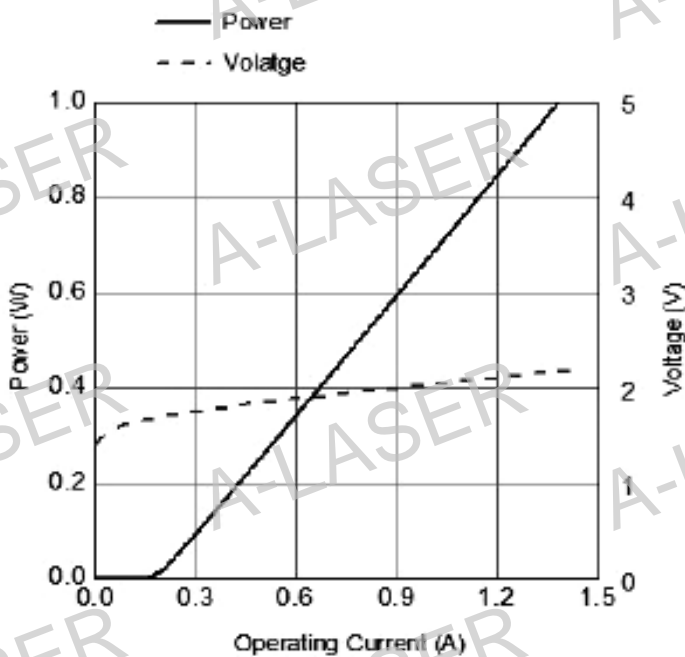
### Electric and optical characteristics

(TC=25 )

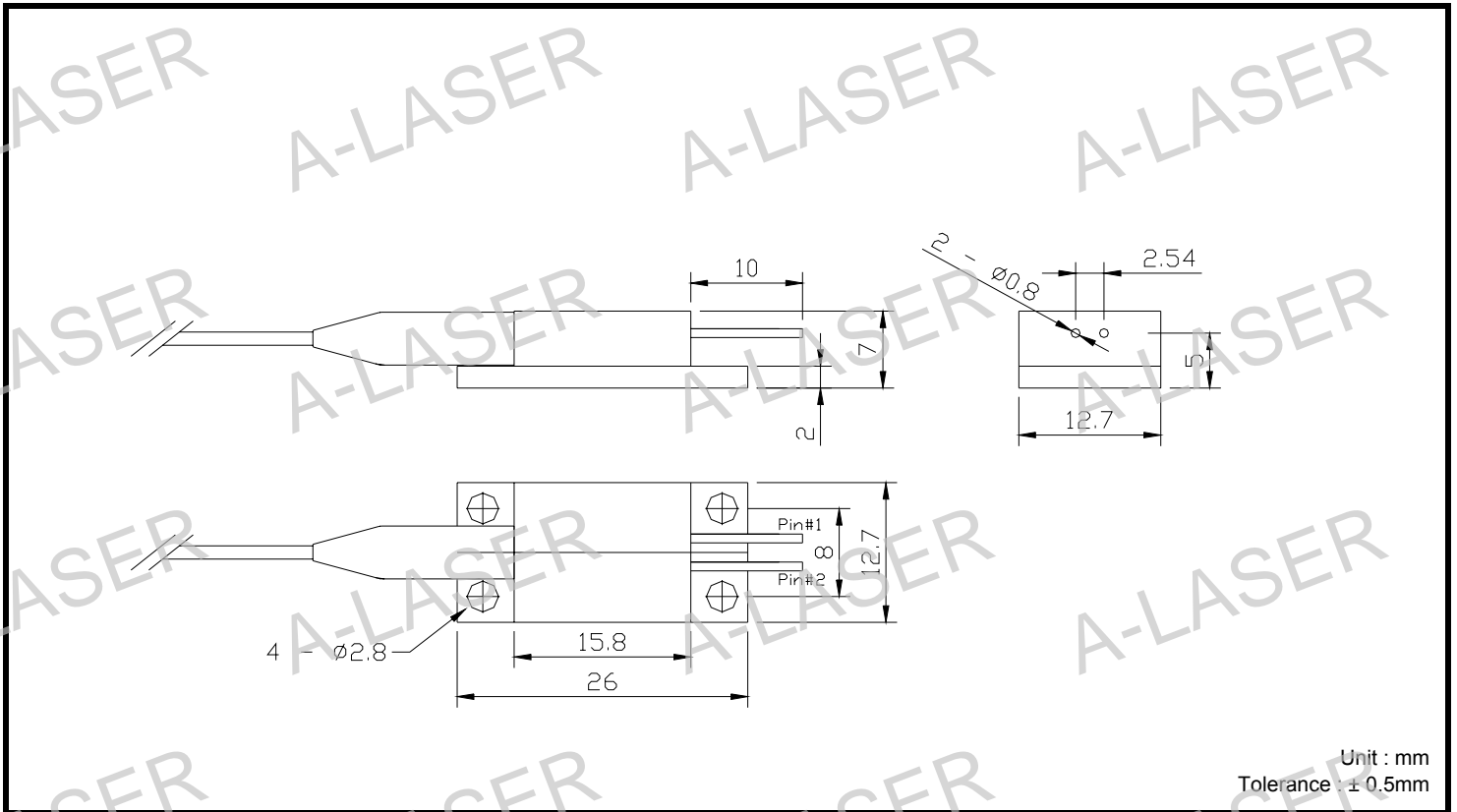
ITEM	Symble	Value			Unit	
		min.	typ.	max.		
Optical Spec.	Operating Output Power	Pop	-	-	1	W
	Centra Frequency	lc	820	830	840	nm
	Spectral Width (90% power)		-	-	3	nm
	Wavelength / Temp. Coefficient	I/ T	-	0.3	-	nm/
Electronica I Spec.	Threshold Current	Ith	-	0.2	-	A
	Operating Current	Iop	-	1.4	-	A
	Operating Voltage	Vop	-	2.1	-	V
	Slope Efficiency	$\eta_{es}$	-	0.8	-	W / A

ITEM	Symble	Value			Unit	
		min.	typ.	max.		
<b>Fiber spec**</b>	Core Diameter	dcore	-	60	-	μm
	Cladding Diameter	dclad	-	125	-	μm
	Buffer Diameter	dbuffer	-	250	-	μm
	Numeric Aperture	NA	-	0.14	-	-
	Connector	-	-	ST	-	-
<b>Other Spec.</b>	Operating Temp. Range	-	10	-	30	
	Working Humidity	-	-	-	75	%
	Storage Temp. Range	-	-20	-	80	
	StorageWorking Humidity	-	-	-	90	%
	Pin Soldering Temp. (10 sec. max)	-	-	-	250	

### Diode Module Electric Characteristic



## Dimension



## Pin Connection

Pin No	Function
1	Laser (+)
2	Laser (-)

*\*For reference only. Contents above are subject to change without notice.*