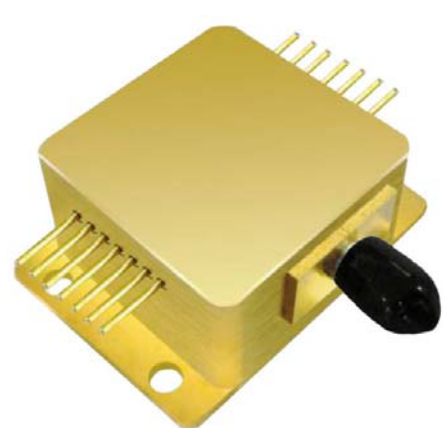


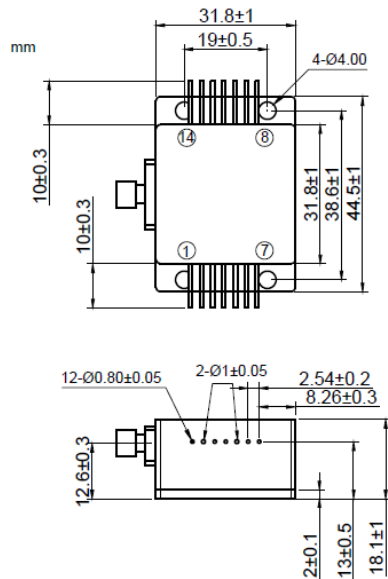
1470nm~1480nm 2.5W Fiber Detachable LD |Built-in Photodiode | Built-in TEC cooler
1470nm Fiber Receptacle Laser Diode| Suit for 105um, 200um or 400um Fiber | Red Aiming Beam
WSLR-1470-2500m-200M-H14-T-PD-A Wavespectrum Laser Group www.wavespectrum-laser.com

1470nm Fiber Detachable Diode Laser		2.5W	en.wavespectrum-laser.com.cn	
PARAMETER		SYMBOL	VALUE	UNIT
Reverse Voltage		V _r	2.0	V
Operating Temperature		T _{op}	+10 ~ +30	°C
Storage Temperature		T _{stg}	-20 ~ +80	°C
Lead soldering temperature (10 sec.)		T _{is}	260	°C
Features:				
• 1470nm				
• Fiber Detachable Package				
• Built-in Photodiode				
• Built-in TEC Cooler				
• With Red Aiming Beam				
Applications:				
• Medical Laser Treatment				
• Others				
Specifications		WSLR-1470-2500m-200M-H14-T-PD-A		
		Min	Type	Max
Center Wavelength@25℃		±10nm	1470nm	±30nm
Spectral Width (FWHM)		----	7.0nm	----
Output Power(After Fiber End)		----	2.5W	----
Used Fiber Core		200um (105um , 400um Optional)		
Recommended Operating Temperature		25℃		
Detachable Fiber Connector		SMA905		
Threshold Current (Typ.)		----	0.8A	1.5A
Operating Current (Typ.)		----	11.0A	12.0A
Operating Voltage		----	1.7V	2.2V
TEC Max. Current		6A		
TEC Max. Voltage		9.8V		
Thermistor		10K		
Package Style		14-Pin		
Fiber Detection Function		Optional		
Aiming Beam	Standard	>2mW@(650nm±20nm) (Red)		
	Optional	>2mW@520nm (Green)		



14-Pin Package View (Without Fiber Detection Function) :

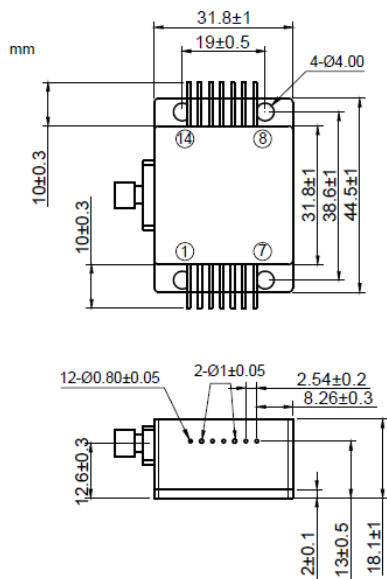
(Part Number: WSLR-1470-2500m-200M-H14-T-PD-A)



PIN	FUNCTION	PIN	FUNCTION
1	CASE	14	TEC(+)
2	LD(+)	13	Aiming Beam DC3V~5V(GND)
3	Thermistor (10K)	12	Aiming Beam DC3V~5V(+)
4	Thermistor (10K)	11	NC
5	LD(-)	10	NC
6	PD(P)	9	NC
7	PD(N)	8	TEC(-)

14-Pin Package View (With Fiber Detection Function) :

(Part Number: WSLR-1470-2500m-200M-H14-T-FD-PD-A)



PIN	FUNCTION	PIN	FUNCTION
1	CASE	14	TEC(+)
2	LD(+)	13	Aiming Beam DC3V~5V(GND)
3	Thermistor (10K)	12	Aiming Beam DC3V~5V(+)
4	Thermistor (10K)	11	FCD LED(+)&FCD PD (N)
5	LD(-)	10	FCD LED(-)
6	PD(P)	9	FCD PD (P)
7	PD(N)	8	TEC(-)

Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.



Wavespectrum Laser Group

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