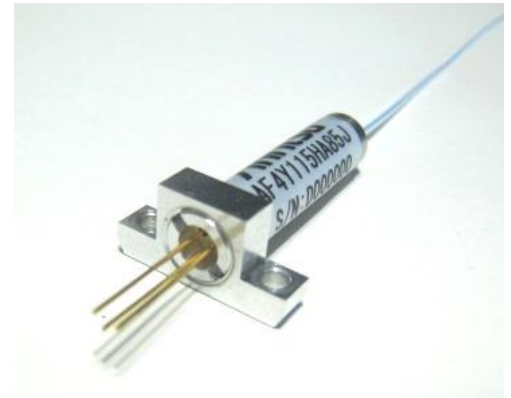


# AF4Y115HA85J 1.48 $\mu$ m Cylindrical Module

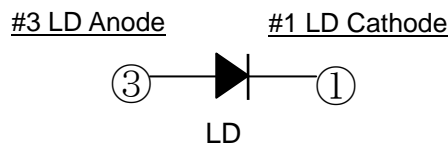
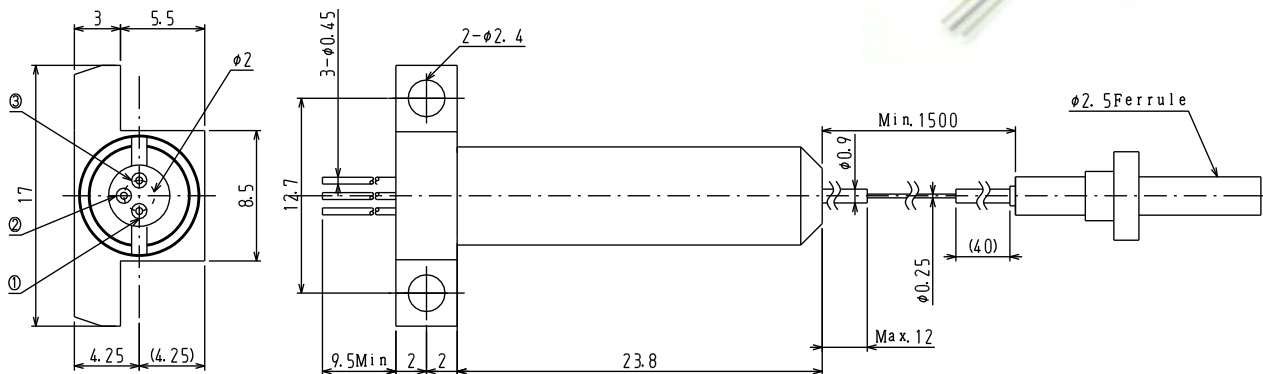
AF4Y115HA85J is 1.48 $\mu$ m high power laser diode module designed for Er doped fiber amplifier. The laser is packaged in a cylindrical package without isolator, monitor photodiode and thermoelectric cooler (TEC).

## FEATURES

- Uncooled (TEC less) cylindrical module
- SMF Optical Output: 150 mW ( $I_f < 800\text{mA}$ ),  $T_c = -5\sim 70\text{deg.C}$
- Low power consumption



## DIMENSIONS



No.	FUNCTION
#1	LD Cathode
#2	NC (Case)
#3	LD Anode

Pin Configuration

## ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Unit	Rating
LD forward Current	$I_F$	mA	1000
LD reverse voltage	$V_R$	V	2.0
Operating Case Temperature	$T_c$	$^{\circ}\text{C}$	$-5^* \sim 70$
Storage Temperature	$T_{stg}$	$^{\circ}\text{C}$	$-40 \sim 85$

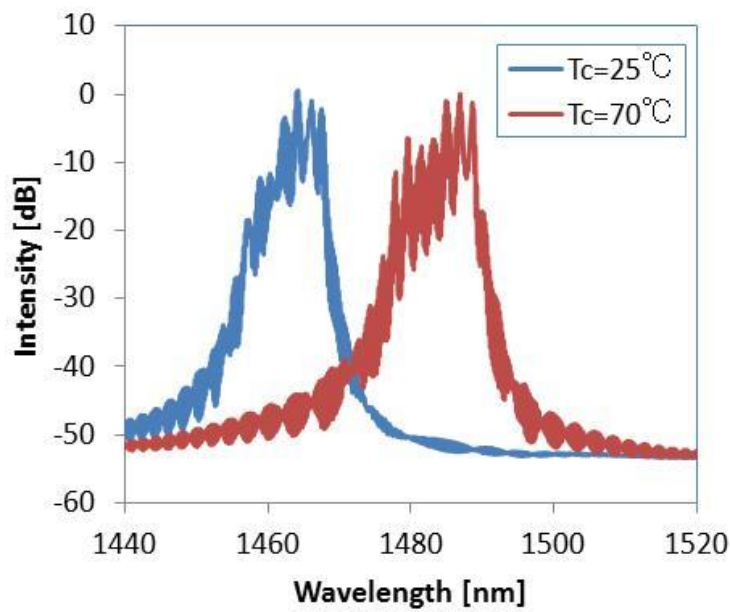
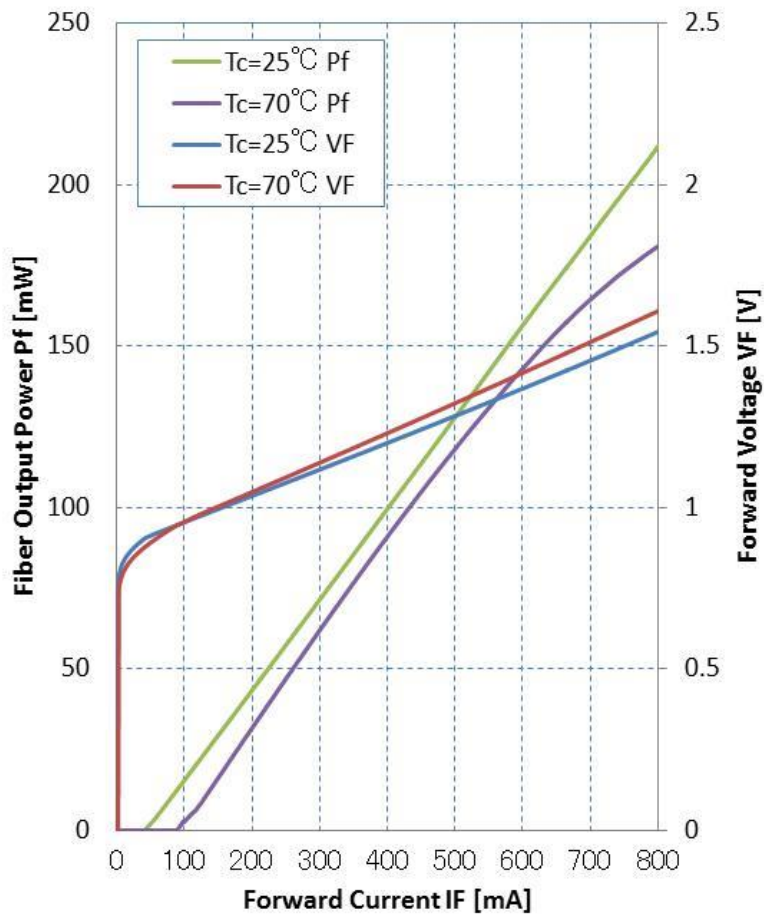
\* No Condensation.

## OPTICAL & ELECTRICAL CHARACTERISTICS

Note) Center wavelength is measured under no reflected light condition.

Item	Symbol	Unit	Test condition	Min.	Typ.	Max.
Threshold Current	$I_{th}$	mA	$T_c = 25\text{deg.C}$		60	
			$T_c = 70\text{deg.C}$		130	
Forward Current	$I_F$	mA	$P_f = 150\text{mW}$ , $T_c = 25\sim 70\text{deg.C}$			800
Center Wavelength *	$\lambda_c$	nm	$P_f = 150\text{mW}$ , $T_c = 25\sim 70\text{deg.C}$ , RMS(-20dB)	1450		1490
Forward Voltage	$V_F$	V	$P_f = 150\text{mW}$			2.0

■ IL Characteristics & Spectrum





**CAUTION** : Handle the fiber of the enclosed device(s) with extreme care ; glass fiber is subject to breakage if mishandled and permanent damage to the device may result. Do not pull the device by the fiber or protective sleeve.  
Do not coil the fiber into a loop of than 30 mm in radius.

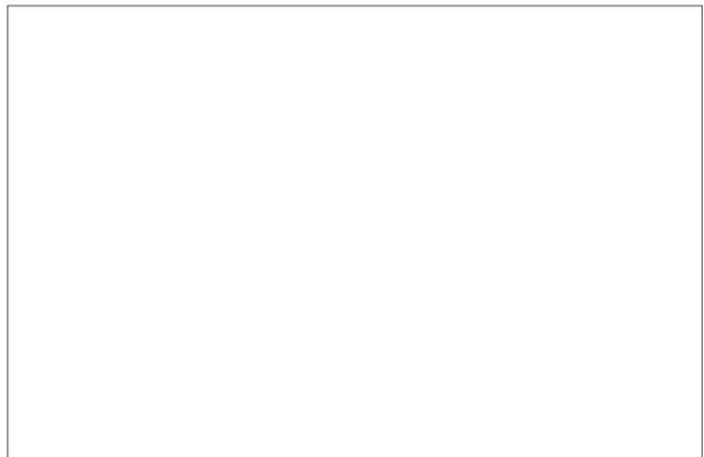
<p>SEMICONDUCTOR LASER</p>	
<p><b>AVOID EXPOSURE</b> Invisible laser radiation is emitted from this aperture</p>	<p>INVISIBLE LASER RADIATION AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION</p> <p>OUTPUT POWER 500mW WAVELENGTH 0.80 to 1.80 μm CLASS IIIb LASER PRODUCT</p>
<p>Caution - use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. This Product Complies with 21 CFR 1040.10 and 1040.11 Manufactured Anritsu Corp. 5-1-1 Onna, Atsugi-shi, Kanagawa, Japan</p>	

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