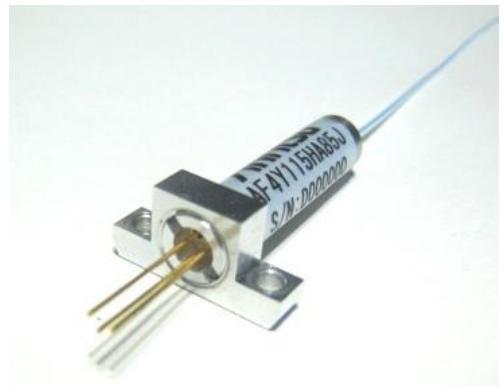


AF4Y115HA85J 1.48μm Cylindrical Module

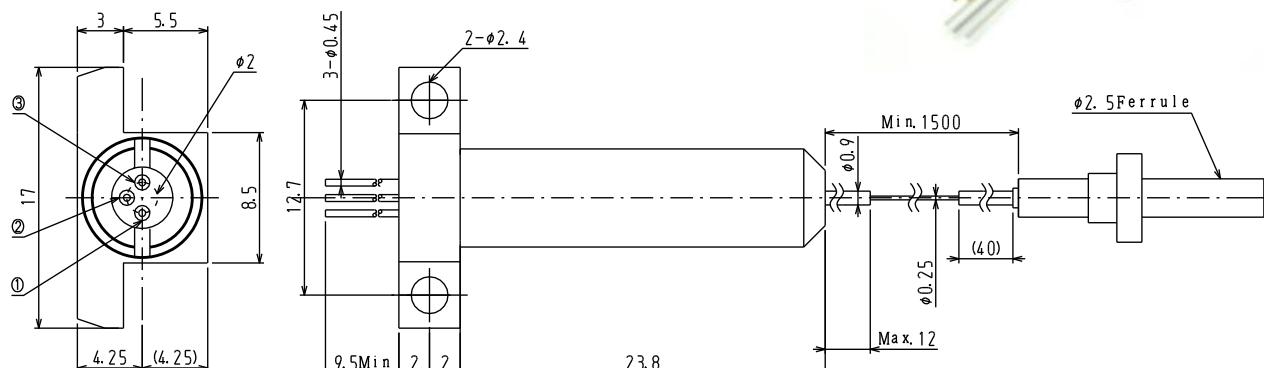
AF4Y115HA85J is 1.48μm high power laser diode module designed for Er doped fiber amplifier. The laser is packaged in a cylindrical package without isolator, monitor photodiode and thermoelectric cooler (TEC).

■ FEATURES

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

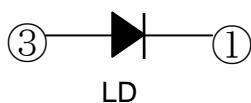


■ DIMENSIONS



#3 LD Anode

#1 LD Cathode



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	°C	-5*~70
Storage Temperature	T_{stg}	°C	-40~85

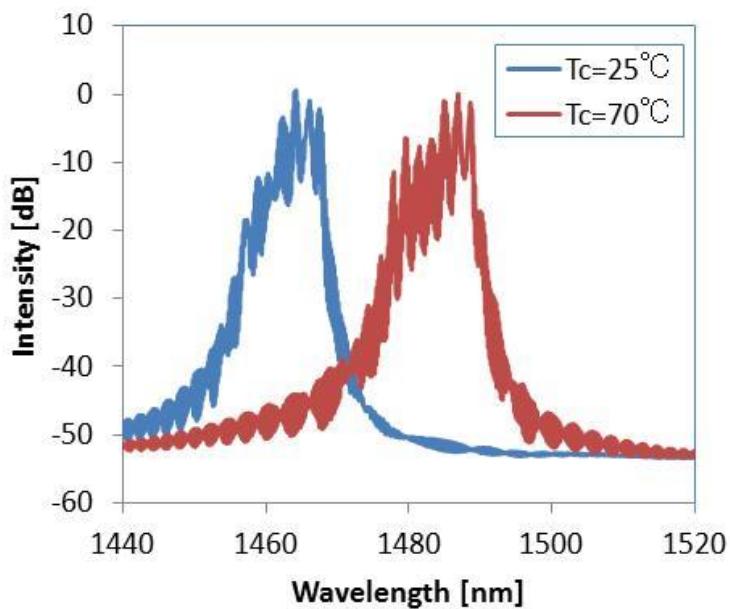
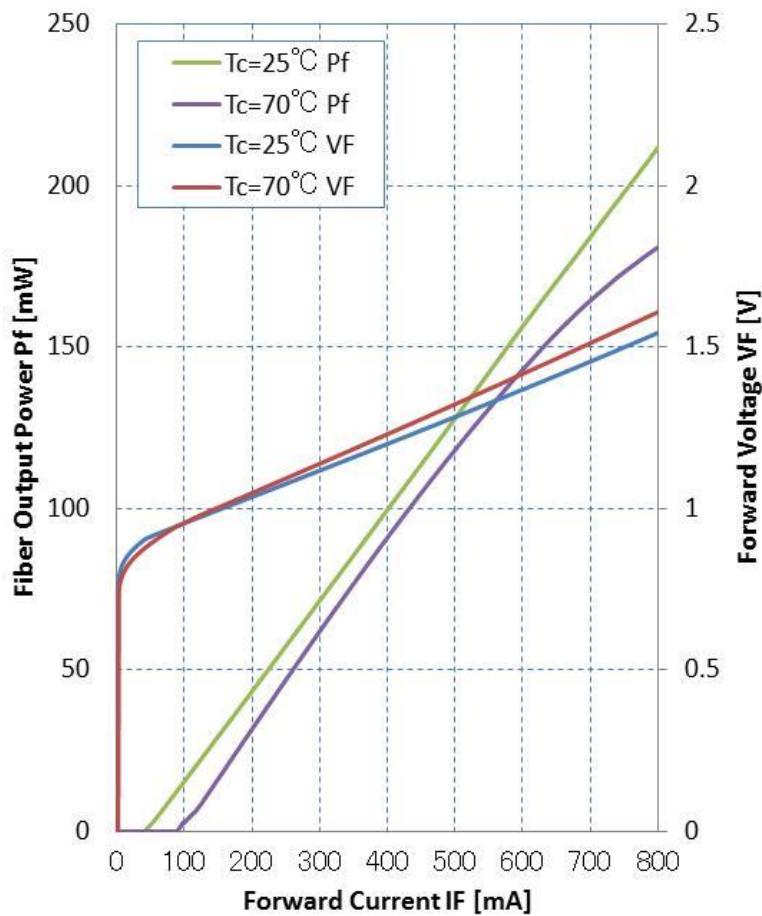
* No Condensation.

■ 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	$P_f = 150\text{mW}, T_c = 25\text{-}70\text{deg.C}$			800
Center Wavelength *	λ_c	nm	$P_f = 150\text{mW}, T_c = 25\text{-}70\text{deg.C}, \text{RMS}(-20\text{dB})$	1450		1490
Forward Voltage	V_F	V	$P_f = 150\text{mW}$			2.0

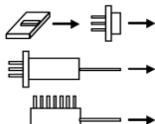
■ IL Characteristics & Spectrum





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.

SEMICONDUCTOR LASER



AVOID EXPOSURE

Invisible laser radiation is emitted from this aperture



INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION



OUTPUT POWER 500mW
WAVELENGTH 0.80 to 1.80 μm
CLASS IIb LASER PRODUCT

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

Anritsu envision:ensure

ANRITSU CORPORATION
DEVICES SALES DEPARTMENT
ANRITSU DEVICES CO., LTD.
OVERSEAS MARKETING DEPT.

Tel +81 46 296 6783 fax +81 46 225 8390
5-1-1 Onna, Atsugi-shi, Kanagawa
243-0032 Japan

URL:<https://www.anritsu.com/anritsu-devices>

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