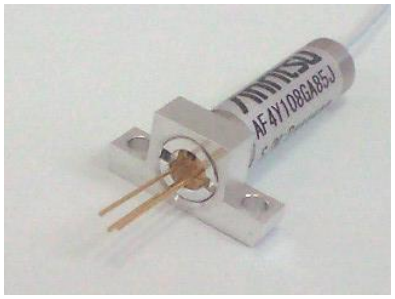
AF4Y108GA85J 1.48 µm Cylindrical Module

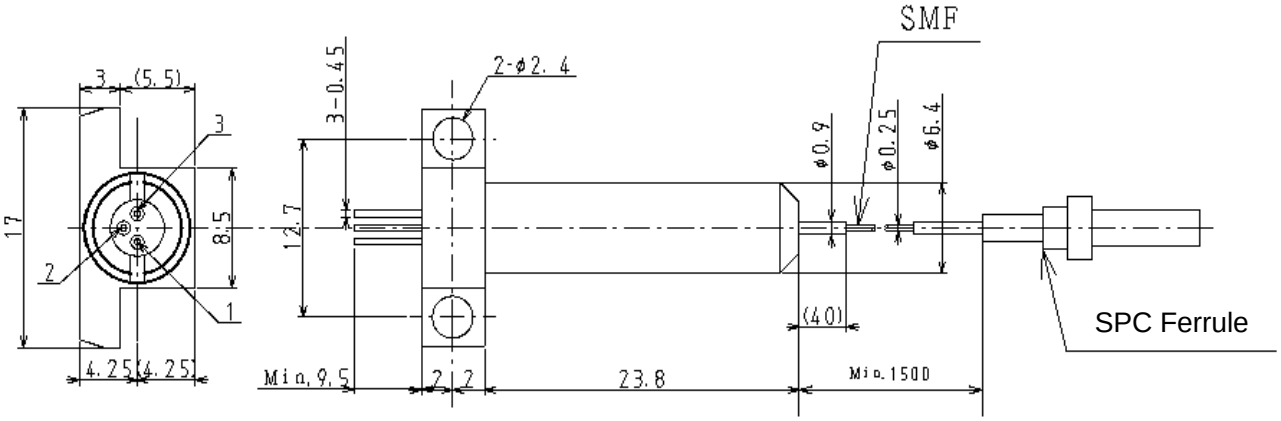
AF4Y108GA85J is 1.48um high power laser diode module designed for Er doped fiber amplifier. The laser is packaged in a cylindrical package without isolator, monitor photodiode and thermoelectric cooler (TEC).



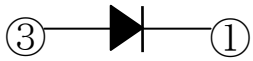
■ FEATURES

- Uncooled (TEC less) cylindrical l module
- SMF Optical Output: 80 mW (I_f <400mA) ,Tc=70deg.C
- Low power consumption (<1W)

■ DIMENSIONS



#3 LD Anode #1 LD Cathode



LD

Lead polarity

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

■ ABSOLUTE MAXIMUM RATINGS (T_C = 70 deg.C)

Item	Symbol	Unit	Rating
LD forward Current	If	mA	600
LD reverse voltage	Vr	V	2.0
Operating Case Temperature	Tc	°C	-5*～70
Storage Temperature	Tstg	°C	-40～85

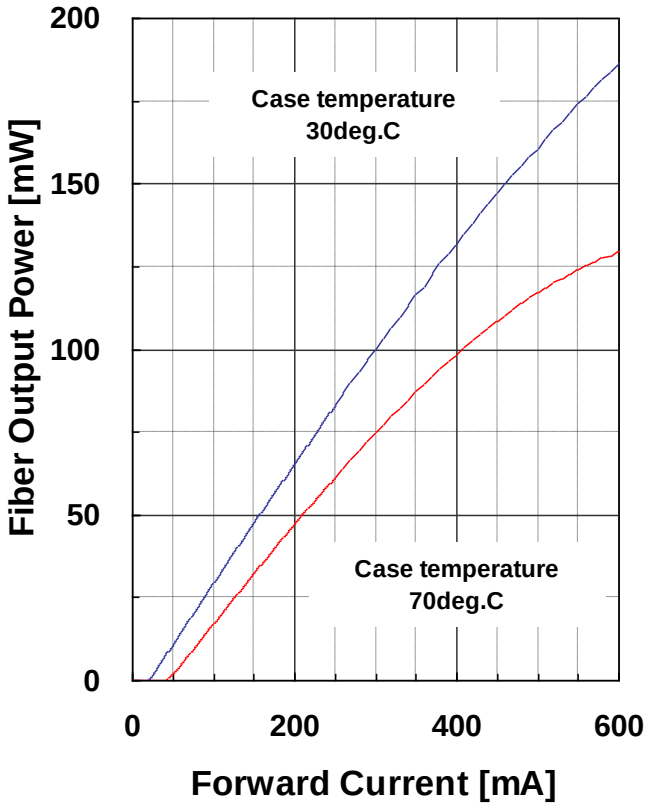
* No Condensation. Wavelength begins to be distributed under the cut-off (1450nm) when operated below 30deg.C.

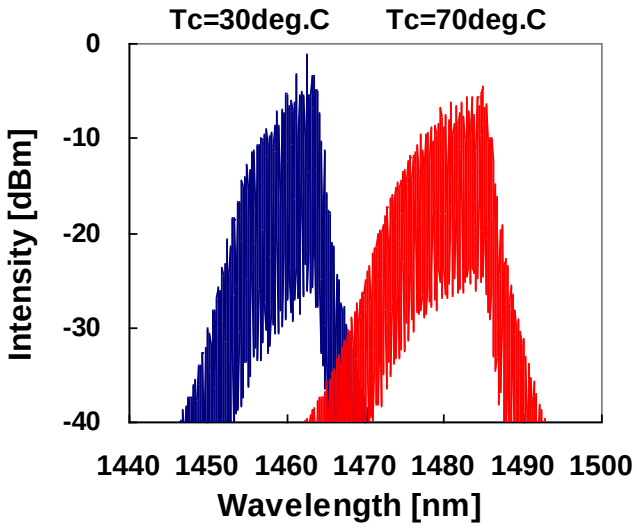
■ OPTICAL AND ELECTRICAL CHARACTERISTICS (T_C = 70 deg.C)

Item	Symbol	Unit	Test condition	Min.	Typ.	Max.
Threshold Current	I_{th}	mA			45	55
Forward Current (BOL)	I_F	mA	P_F=80mW		350	400
Center Wavelength *	λ_C	nm	P_F=80mW, RMS (-20dB)	1478		1490
Forward Voltage	V_F	V	P_F=80mW		1.4	1.8

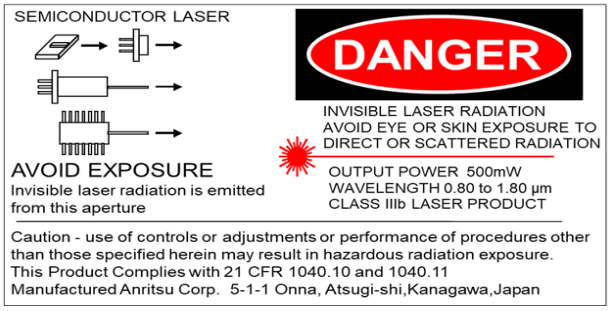
* Center wavelength is measured under no reflected light condition.

■ 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.



Anritsu envision : ensure

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