

No. SPC3-10748(2)

Messrs. Fujikura Fiber Optics Vietnam Ltd.

Purchase specification

Subtitle	: Packing Specification (Pump CMB)
Product Type	: Pump CMB for Fiber laser products




Signature on the receipt

Huynh Anh Nam



28-Aug-2024

**Fujikura Ltd. / Fujikura Precision Ltd.**

Development Department		
Approved by	Reviewed by	Prepared by
		

### Revision History

Rev.	Clause	Revised Contents	Reasons	Date(y/m/d)	Prepared by
1	-	Original	Initial Input	2024/5/8	H. Nakazato
2	Section2	SA310111-02=>SA310111-02A	Because the sponge groove dimensions were large and the Neoceram section could move during transportation.	2024/8/23	H. Nakazato
	Section4	Added note to avoid fiber tension	Due to the above change, there is concern that too much tension may be applied to the fiber if care is not taken when working with it.		
	Section6	Change Fig6-1	I put the actual form on it.		

## 1. Scope of application

This document covers the requirements for manufacturing Pump CMB for Fiber laser products.

And applied to the manufacturing process in Fujikura Fiber Optics Vietnam.

## 2. Packing material

The packing material consists of an inner packing material and an outer packing material. The composition of the inner packing material is shown in Table 2-1, and the composition of the outer packing material is shown in Table 2-2.

Table 2-1. Inner packing component list

Item	Composition	Qty.	Maker	Drawing / Model
Inner box	FBG storage case ATL17002-FK003A- 01(Main body)	1	SANKI SANGYO CO.,LTD	RP170619-01A/ DRW3-15531
	FBG storage case ATL17002-FK003A- 02(Cover)	1		RP170619-02A/ DRW3-15532
Sponge	packing sponge	1		SA310111-02A/ DRW3-15535
	FBG storage case sponge part 2 for high power FL	8		SA290621-002/ DRW3-15533
	FBG storage case sponge part 3 for high power FL	1		SA290621-003/ / DRW3-15534

Table 2-2. Outer packing component list

Item	Composition	Qty.	Drawing / Model
Outer box	Cardboard	1/40 <sup>[1]</sup>	7-DWM-0074A
Other	Packing tape	Needed	***
	Air cap (Not ESD)	Needed	***

[1] Depends on the number of packages.

### 3. Outline drawing of packing material

#### 3-1. Packing case

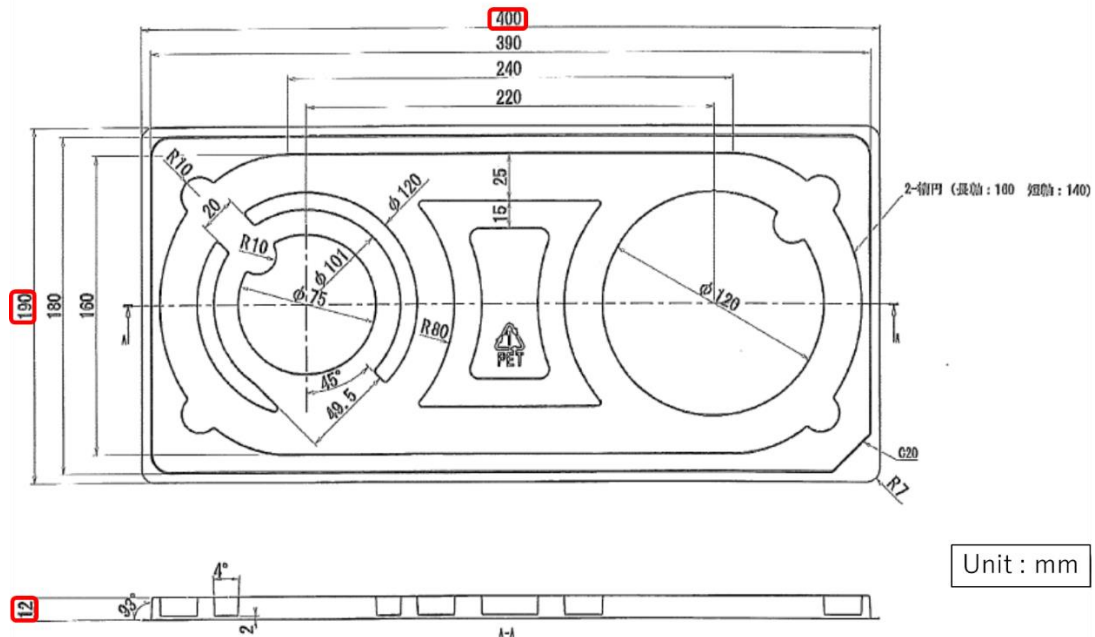


Fig 3-1. Packing case

#### 3-2. Outer box

Inside dimension: 477×447×245 mm

External dimensions: 489×459×269 mm

Material: cardboard, 5 layers, BC flute L175/CM120\*3/K175

### 4. Packing method in the inner box

#### 4-1. Fiber routing for Pump CMB

The packing of Pump CMB into the packing case is shown in Fig 4-1.

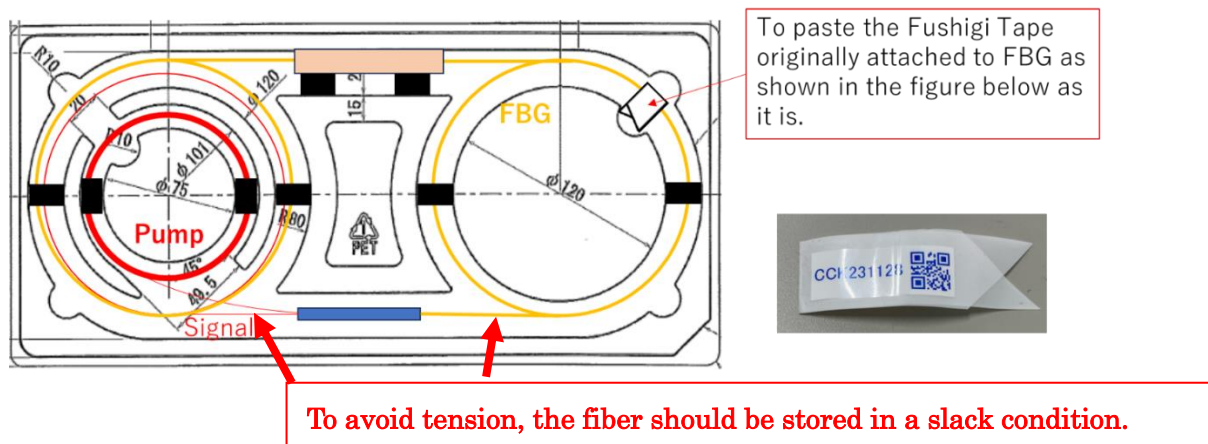


Fig 4-1. Pump CMB routing Schematic

## 5. Packing method in the outer box

### 5-1. Packing into the outer box

The packing method of the product in the outer box is shown in Fig 5-1. Products are stacked vertically and packed in cardboard boxes. A maximum of two rows of 20 products can be stacked. The space between the inner and outer boxes is filled by Air cap.

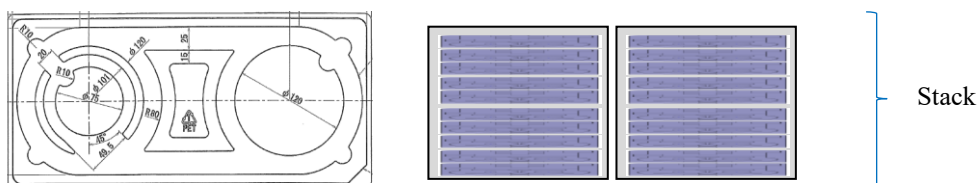


Fig 5-1. Packing into the outer box

### 5-2. Outer box sealing

The cardboard is sealed with packing tape.

Material: Packing tape

## 6. Product label

### 6-1. Required information of Product label

The required information of Product label is shown in Table 6-1. QR Code of label specification is shown in Table 6-2. An example of a product label is shown in Figure 6-1.

Table 6-1. Required information of Product label

Item	Information
Product Name	Cezanne Forward Pump CMB
FA number(P/N)	FA005011-001
Serial number	PO no.-xxxxx
QR Code	Table 6-2
Country of origin	Made in Vietnam

Note: Add the 3-digit revision number to the end of the FA number.

Table 6-2. QR Code of label specification

Item	Specification
Text format	{FA number} {Serial number}
Text example	FA005011-001  PO no.-xxxxx

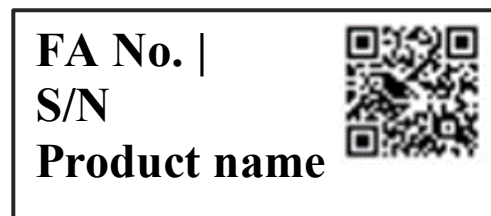
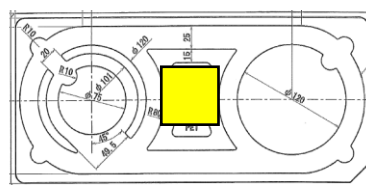


Fig 6-1. Example of Product label

### 6-2. Product label attachment position

Product label is attached to the inner box as shown in Fig 6-2.

Note: Since packing cases are to be reused, labels should be attached in a form that is easy to peel off (e.g., tape a piece of paper with label information printed on it, etc.)



## 7. Outer box label

### 7-1. Required information of Outer box label

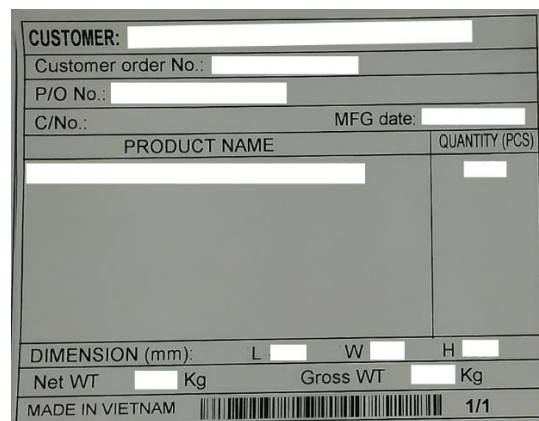
The required information of Outer box label is shown in Table 7-1.

An example label is shown in Fig 7-1.

Table 7-1. Required information of Outer box label

Item	Information
Customer	Customer name
Customer order No.	Customer order no.
P/O No.	PO no.
FA number(P/N)	FA005011-001
Manufacturing Date	DD-Mmm-YYYY (Example: 10-Oct-2023)
Cezanne Forward Pump CMB	Cezanne Forward Pump CMB
Quantity (pcs)	xx
Dimension (mm)	L x W x H of Outer Cardboard
Weight (Kg)	Net and Gross weight
Country of origin	MADE IN VIETNAM
Order of Outer box in the PO	Outer box/Total outer box of the PO

Note: Add the 3-digit revision number to the end of the FA number.



The image shows a sample of an outer box label form. It is a rectangular form with a grey border. The fields are as follows:




- CUSTOMER:** [Blank field]
- Customer order No.:** [Blank field]
- P/O No.:** [Blank field]
- C/No.:** [Blank field] **MFG date:** [Blank field]
- PRODUCT NAME** [Blank field] **QUANTITY (PCS)** [Blank field]
- DIMENSION (mm):** L [Blank field] W [Blank field] H [Blank field]
- Net WT** [Blank field] **Kg** **Gross WT** [Blank field] **Kg**
- MADE IN VIETNAM** [Barcode] **1/1**

Fig 7-1. Example of Outer box Label

## 7-2. Other required labels

The care marks required on the outer box are shown in Table 7-2. Care marks are labeled or printed on the cardboard.

Table 7-2. Required care mark

Item	Example	Paste location
THIS SIDE UP		Paste it on two opposing sides
HANDLE WITH CARE		Paste it on two opposing sides
KEEP DRY		Paste it on two opposing sides

## 8. Test report attachment format

Send the electronic test report using a separately specified method.

## 9. Handling Precautions

- Products after packing must always be managed with the top facing up.



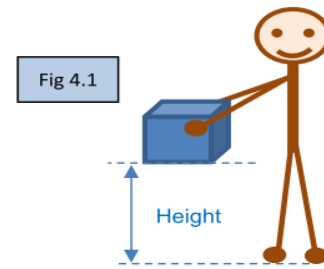
## Appendix. Contents of packing evaluation test

Packing testing shall be conducted in accordance with the following:

### a. Determine drop height

Table 1. Determine drop height based on packing weight

Package weight (kilogram)	Height (cm)
Less than 9	76
10 - 18	61
19 - 27	46
28 - 45	30
46 - 68	20

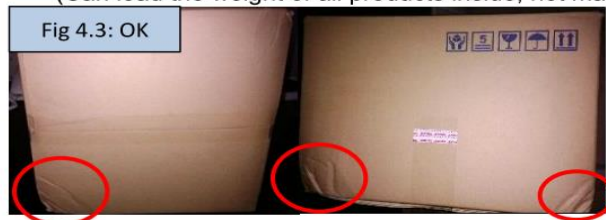


Dropping height : The distance (height) from the floor surface to the closest end of dropping object.

### \*Inner/outer box:

Judgement criteria:

- Accept:
  - + Corner, edge, face of carton box: Deform slightly (Refer below illustration pictures)
  - + Adhesive tapes: Peel off with small areas and do not affect on packing function (Can load the weight of all products inside; not make the carton box open)



- Not accept:
  - + Carton box: Harm, torn, crack that affect on protecting possibility for carton box/products inside. Example: The top of carton is opened; edge has so big torn that the products can be out of the carton box.
  - + Adhesive tape: Damage, peel off totally from one adhesive line that can make the carton box open, or cannot support loading weight for the bottom of carton.

EOF