

Indoor 150W AC/DC Power Supply Unit (PSU) for Ku-8W/C-8W/C-10W BUCs

AC Input: 100 to 240 V / 2 A
Output Power: 150 W, Output Voltage: +48 VDC

Model No. NJZ1286N

IF / Ref. (10MHz) / DC Power Output: N-type Female Connector

Model No. NJZ1286F

IF / Ref. (10MHz) / DC Power Output: F-type Female Connector

Specifications

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New Japan Radio Co., Ltd.
Microwave Components Division

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 - * Life Maintenance Medical Equipment
 - * Fire Alarm/Intruder Detector
 - * Vehicle Control Equipment (automobile, airplane, railroad, ship, etc.)
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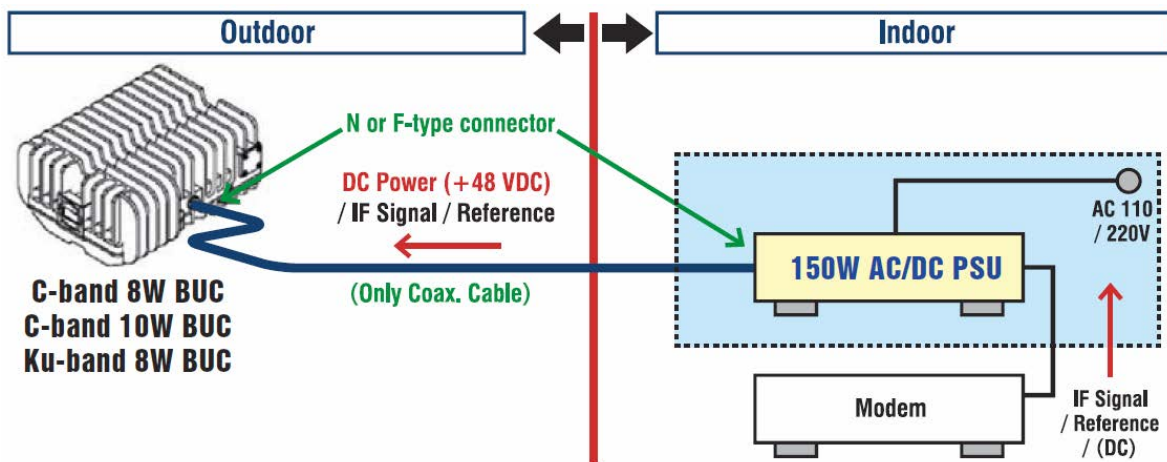
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1. Overview

The power supply unit (PSU) provides a DC power to operate NJRC's Ku-band 8W BUCs (NJT5118 and NJT5218 series), C-band 8W BUCs (NJT5760 and NJT5761 series), and C-band 10W BUCs (NJT5672 and NJT55763 and NJT5764 series) via a coaxial cable.

The features are

- Indoor power supply unit with up to 150 W and +48 V DC power output.
- Regardless of Any Types of Modem.
- DC power output can be turned on/off by mechanical switch on the front panel.
- The mode of DC power output can be selected out of in the following mode options by DIP switch on the front panel.
 - Option 1: To keep supplying DC power regardless of modem output status
 - Option 2: To control power DC output on/off by synchronization of input DC voltage on/off from modem
- Directly connect the coaxial cable for IF signal, 10 MHz reference and DC power from modem.
- One Coaxial Cable Solution.
- Compatible with 1U rack-mount.



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2. Electrical Specifications

2-1.	Input AC Voltage Range [Rated Range] [Absolute Maximum Rating]	100 to 240 VAC 90 to 264 VAC
2-2.	Input AC Frequency Range	50/60 Hz
2-3.	Maximum Input AC Apparent Power	200 VA
2-4.	Output Voltage	+48 VDC
2-5.	Output Voltage Accuracy	+/- 10 %
2-6.	Output Current Range	0 to 3.2 A
2-7.	Maximum Output Power	150 W
2-8.	Standby Mode Power ▪ No Connect BUC ▪ Non DC Power Output	10 W max.
2-9.	Efficiency	80 % typ. at 120 VAC, full load
2-10.	Power Factor	0.98 typ. at 120 VAC, full load
2-11.	Output ON/OFF Control	▪ Rocker Switch on the Front Panel ▪ Mode of DC Power Output Option 1: To keep supplying Option 2: Synchronization with input DC voltage on/off
2-12.	IF Frequency Range	950 to 1,700 MHz
2-13.	IF Input/ Output Impedance <NJZ1286N> <NJZ1286F>	50 ohms nom. 75 ohms nom.
2-14.	IF Input/ Output VSWR	2 : 1 max.
2-15.	IF Insertion Loss	1.5 dB max.
2-16.	Input DC Voltage Range at IF Input Interface	+24 / +48 VDC In case of option 2 in mode of DC power output, 50mA min. is needed from modem.
2-17.	Protection	▪ Internal Primary Current Fuse ▪ Short Protection
2-18.	LED Indicator [DC Output (Power)] [Fan Alarm]	GREEN: Supply a DC Power to BUC GREEN: Normal Condition RED: Abnormal Condition and must be Replacement

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3. Mechanical Specifications

3-1.	AC Input Interface	IEC320-C14 inlet
3-2.	IF Input Interface <NJZ1286N> <NJZ1286F>	N-type, female (50 ohms) F-type, female (75 ohms)
3-3.	IF Output Interface <NJZ1286N> <NJZ1286F>	N-type, female (50 ohms) F-type, female (75 ohms)
3-4.	Cooling	Forced Air by Fan
3-5.	Dimension & Housing without Interface and Switch	(W) 290 x (D) 200 x (H) 44 mm [(W) 11.42" x (D) 7.87" x (H) 1.73"]
3-6.	Weight	1.6 kg [3.5 lbs]

4. Environmental Specifications

4-1.	Temperature Range (ambient) [Operating] [Storage]	0 to +50 C -30 to +85 C
4-2.	Humidity [Operating] [Storage]	30 to 90%Rh non-condensing 10 to 95%Rh
4-3.	Vibration	Non Operation 19.6 m/s ² Constant (10 to 55 Hz, Sweep time: 1min., 3 axis, 1hr)
4-4.	Shock	20 G [196.1 m/s ²] (3 axis)
4-5.	Compliance Standard	EN55022 EN55024 EN61000-3-2/3 EN60950-1 / UL60950-1 EN62311
4-6.	Regulations	EU Directive (CE Marking) EMC (2004/108/EC) Low Voltage (2006/95/EC) UL Certification
4-7.	Comply with RoHS (Restricting the use of Hazardous Substances) directives	

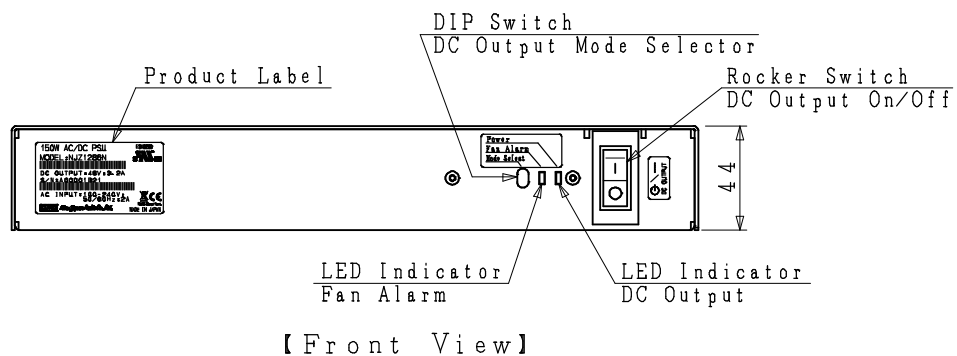
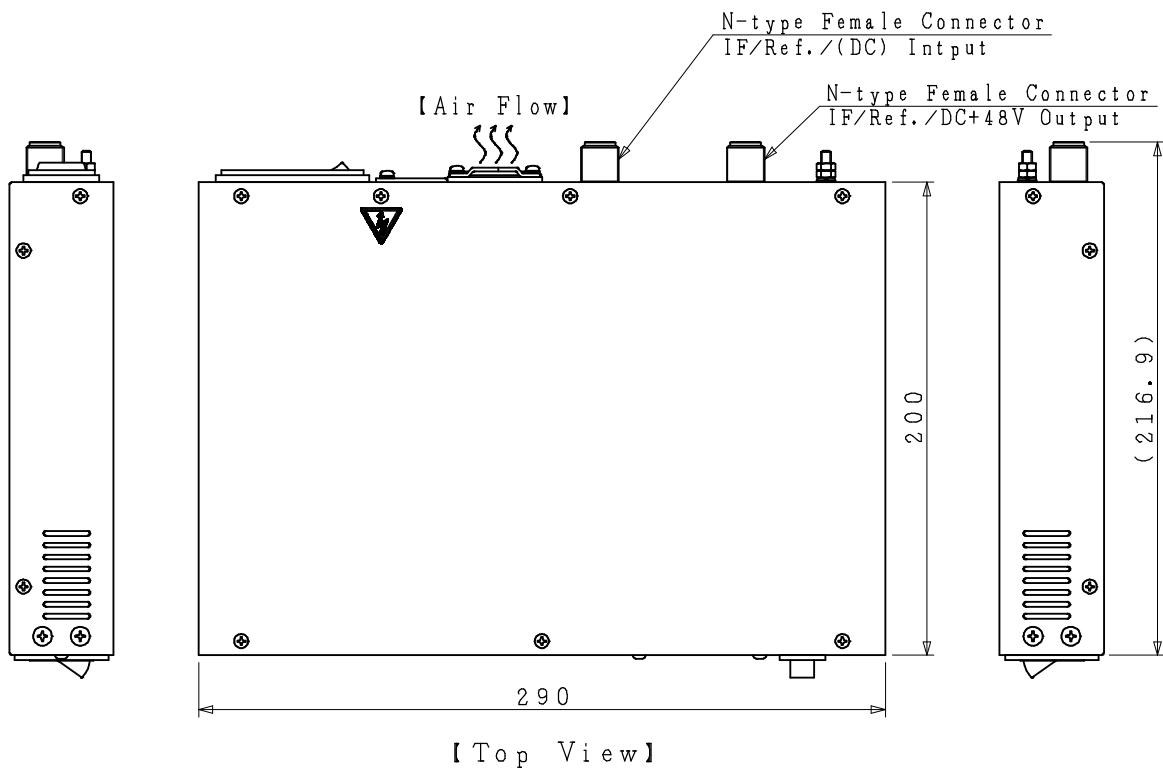
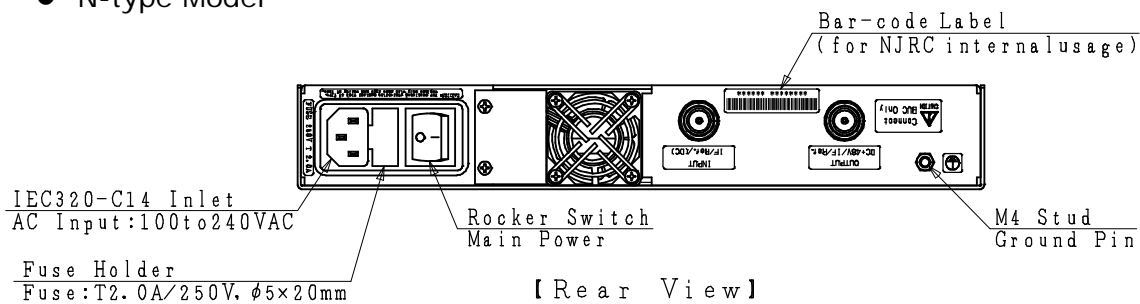
5. Accessories

- AC power cable of 2 m (with 3 pins American plug)
- Coaxial cable of 1 m (Option)
- 1U rack-mount kit (Option)

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6. Outline Drawing

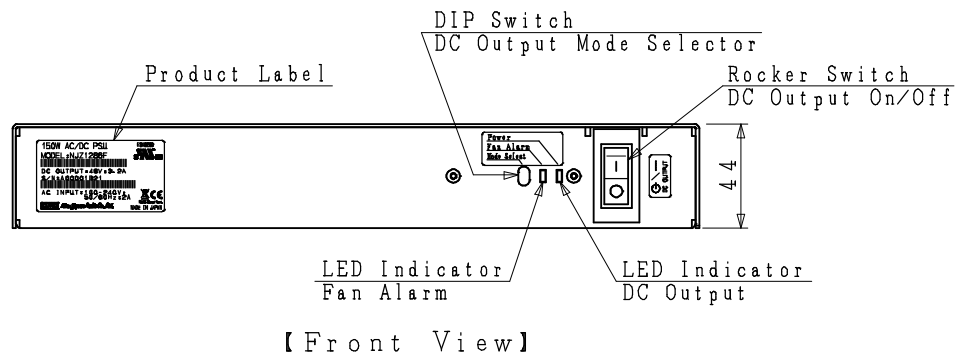
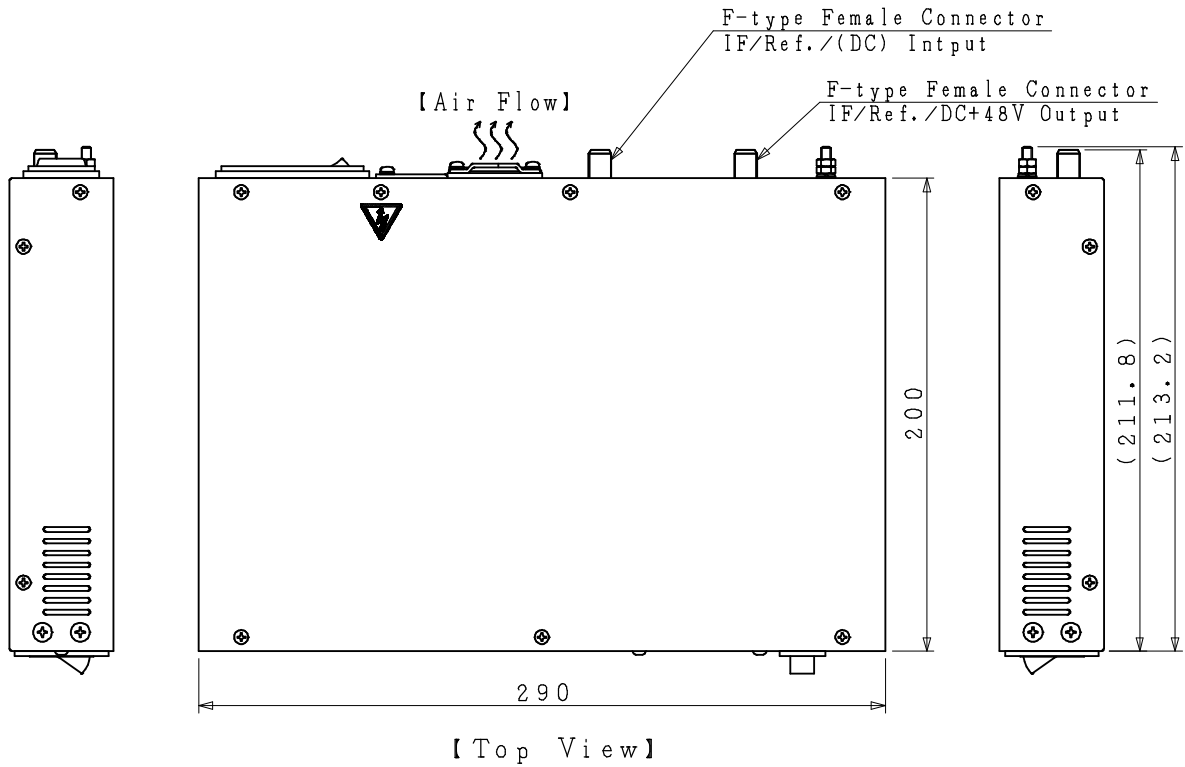
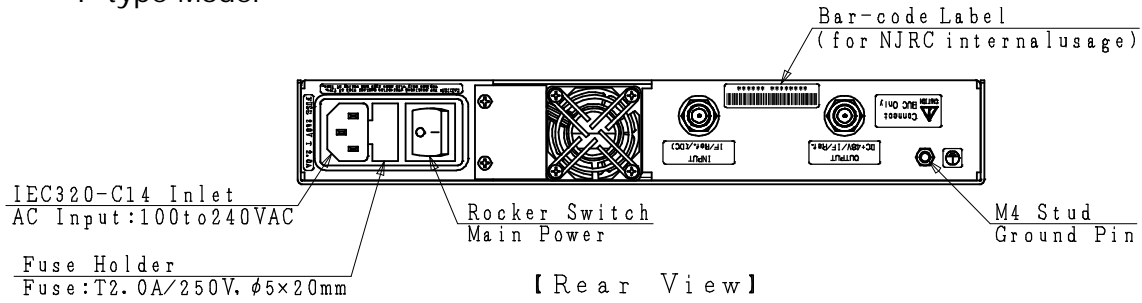
- N-type Model



UNIT : mm

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● F-type Model

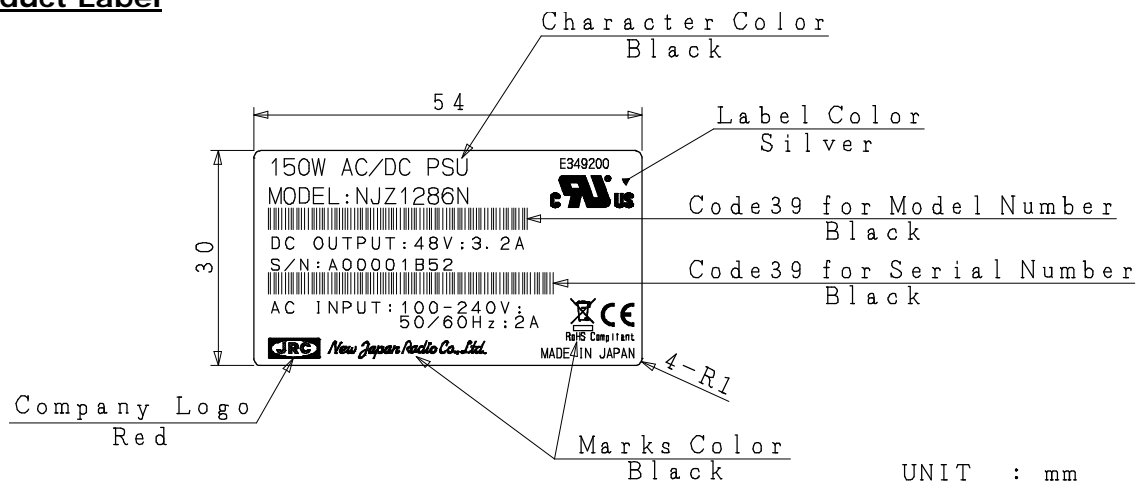


UNIT : mm

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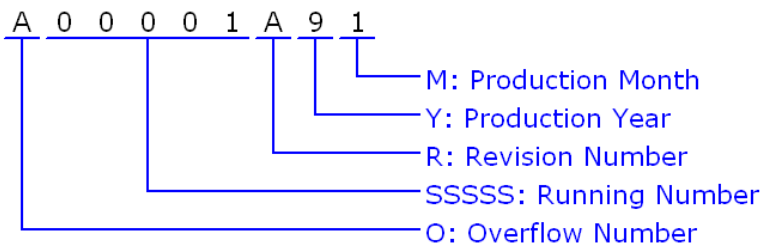
7. Label

Product Label



Definition of Serial Number

Serial Number (OSSSSSRYM) - ALPHANUMERIC (9 characters)



O: Overflow Number - ALPHABET (1 character)

"A" to "Z", e.g.: A99999 ⇒ B00001

SSSSS: Running Number - NUMBER (5 digits)

"00001" to "99999"

R: Revision Number - ALPHABET (1 character)

"A" to "Z"

Y: Production Year - NUMBER (1 digit)

Calendar Number, e.g.: 2009:9, 2010:0, 2011:1, 2012:2 ···

M: Production Month - ALPHANUMERIC (1character)

"1" to "9", "X" as October, "Y" as November, "Z" as December

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8. Package Package for PSU

Pictorial Marking for handling of Goods



THIS WAY UP



HANDLE WITH CARE



FRAGILE



LAYERS LIMIT:5



KEEP DRY

①:150W AC/DC PSU

②:Accessory

·AC power cable of 2m

③:Accessory

·Cushioning pad(4 pieces)

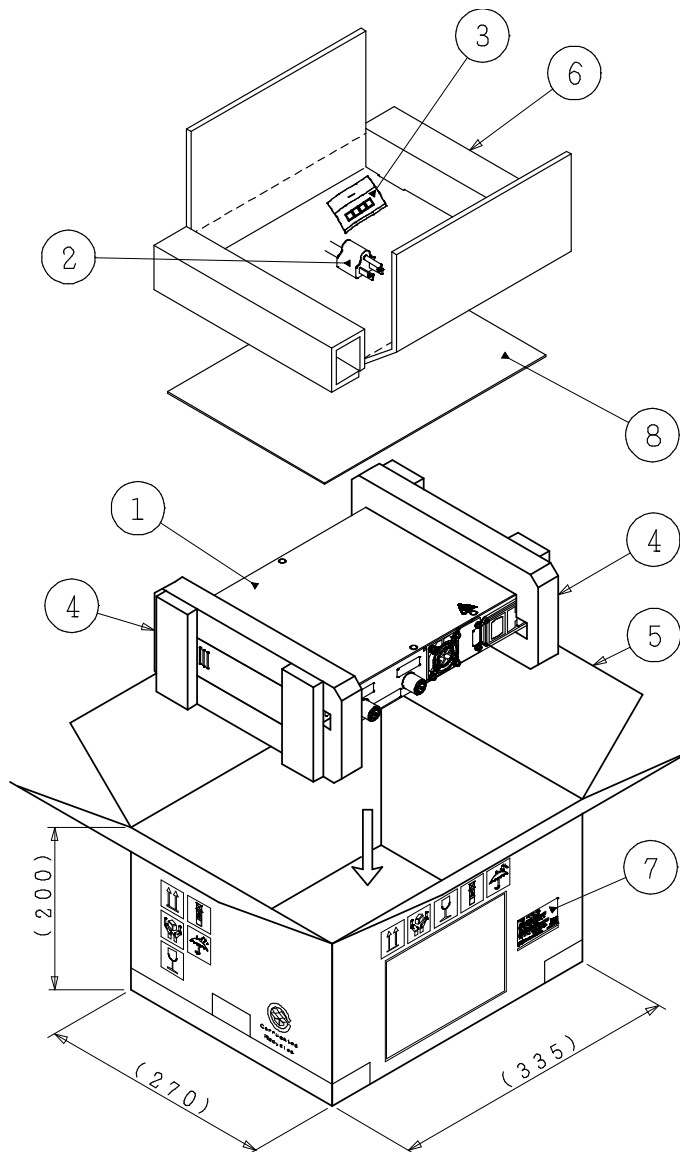
④:Polyethylene Foam For Package Cushioning

⑤:Corrugated Fiberboard(Double Wall)

⑥:Corrugated Fiberboard(Single Wall)

⑦:Label

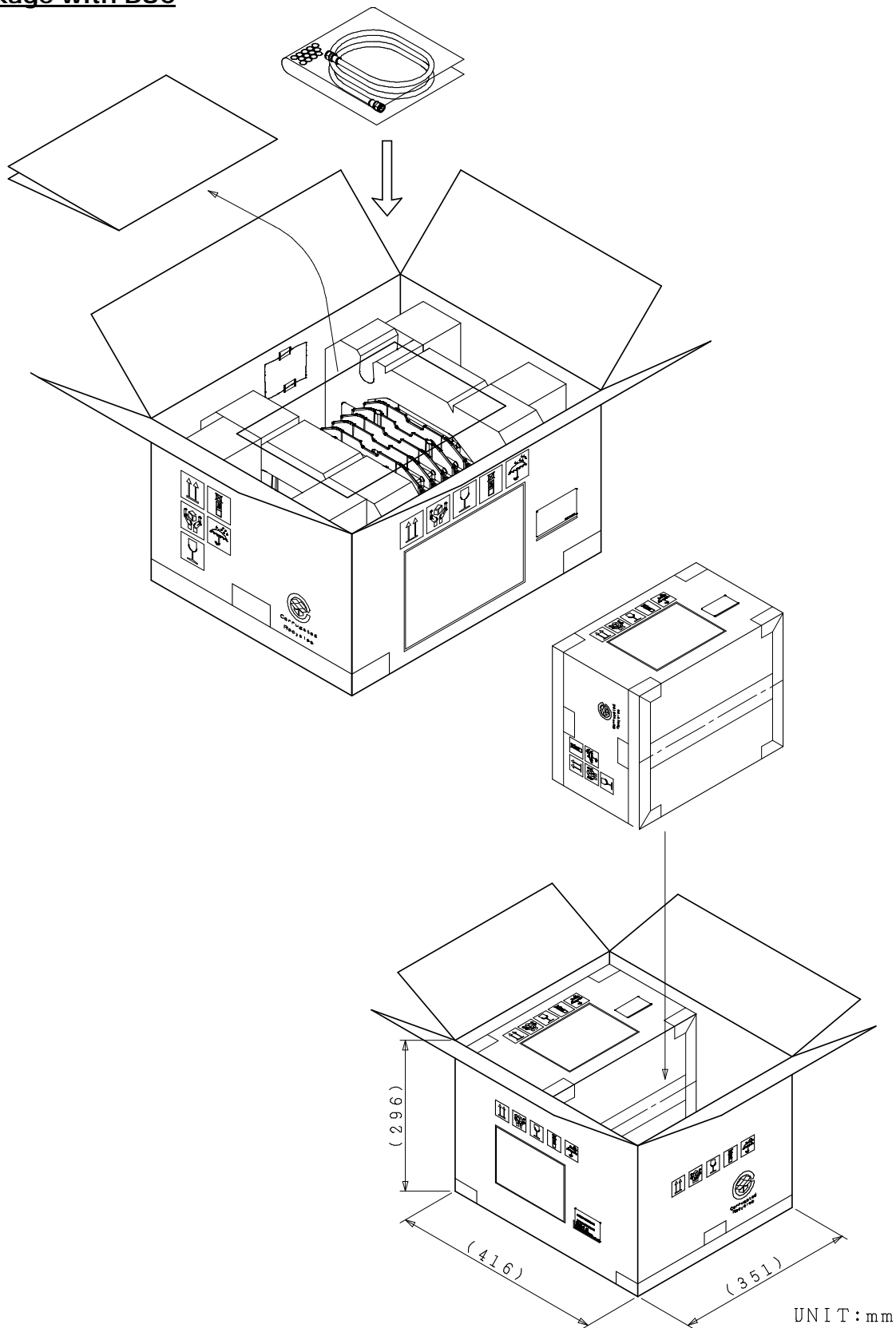
⑧:User's Manual



UNIT:mm

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Package with BUC



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