

Notice of change of container bag / box for products with individual data

Please be informed that size of container bag / box will be changed due to the following reason.

1. Reason

The current bag will be discontinued by the manufacture so that bag with bigger size will replace it. With this change, size of container box should be also changed.

2. Changes

Object	Item	Before change	After change	Refer to
1pc bag	size (height×width×thickness)	40mm×70mm×0.1mm	40mm×92mm×0.1mm	Exhibit 1
	Structure	Bag	Envelope	Exhibit 1
	Data indication	Individual data	← (No change)	Exhibit 2, 3
	LD/ a bag Qty / bag	1pc / bag	← (No change)	Exhibit 1
10pcs box	size (length×width×height)	90mm×72mm×42mm	90mm×96mm×44mm	Exhibit 1
	Structure	Box with top face covered	← (No change)	Exhibit 1
	Label	Product information label	← (No change)	-
	LDs / a box Qty / box	1 to 10pcs / box	← (No change)	Exhibit 1

3. Applicable Products

Classified by Applications	Products
Laser Diodes for Information Application (LD)	HL6*series, HL7*series, and HL8*series in individual container with attached data (refer to Exhibit 2)
Infrared Emitting Diodes for Industrial Application (IRED)	HE7*series and HE8*series in individual container with attached data. (refer to Exhibit 3)

4. Time to be applied

A part of products manufactured in July 2008.

5. Others

- (1)The quality, characteristics, and package dimensions of product are not changed.
- (2)RoHS compliance and recycle mark are attached to the new packing specification. (refer to Exhibit 2)
- (3)Please contact to Marketing Dept . of Opnext shown above for the question on this issue if any.

Exhibit 1. Illustration of explaining new specification of container bag and box

No.	Before change (Current)	After change (New)
1		
2	<p data-bbox="328 1084 778 1137">How to pick up product from bag.</p>	<p data-bbox="975 1084 1409 1137">How to pick up product from bag.</p>

Exhibit 2. Illustration of explaining specification of LD container bag

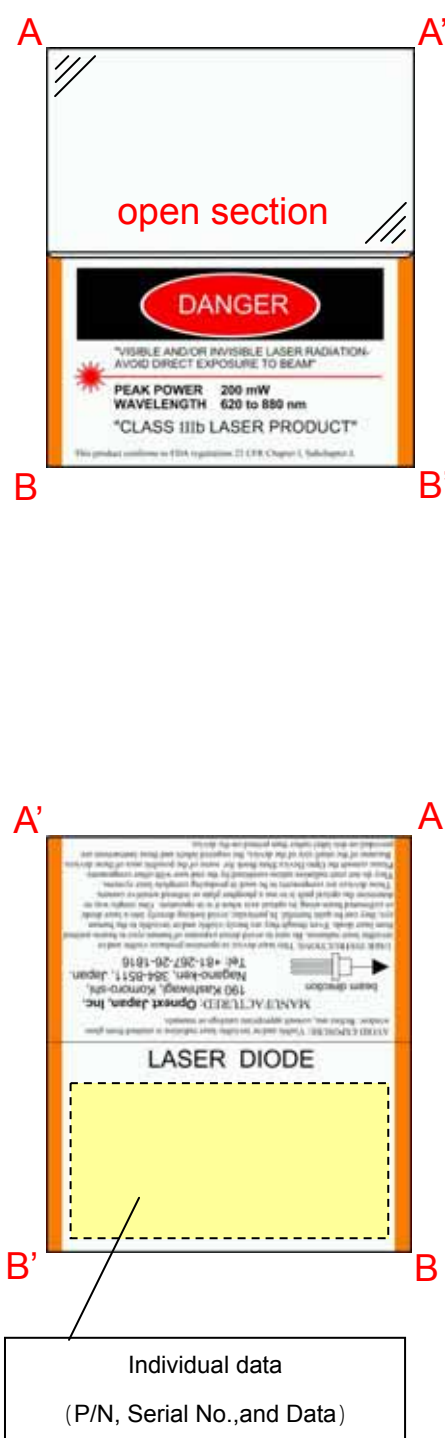
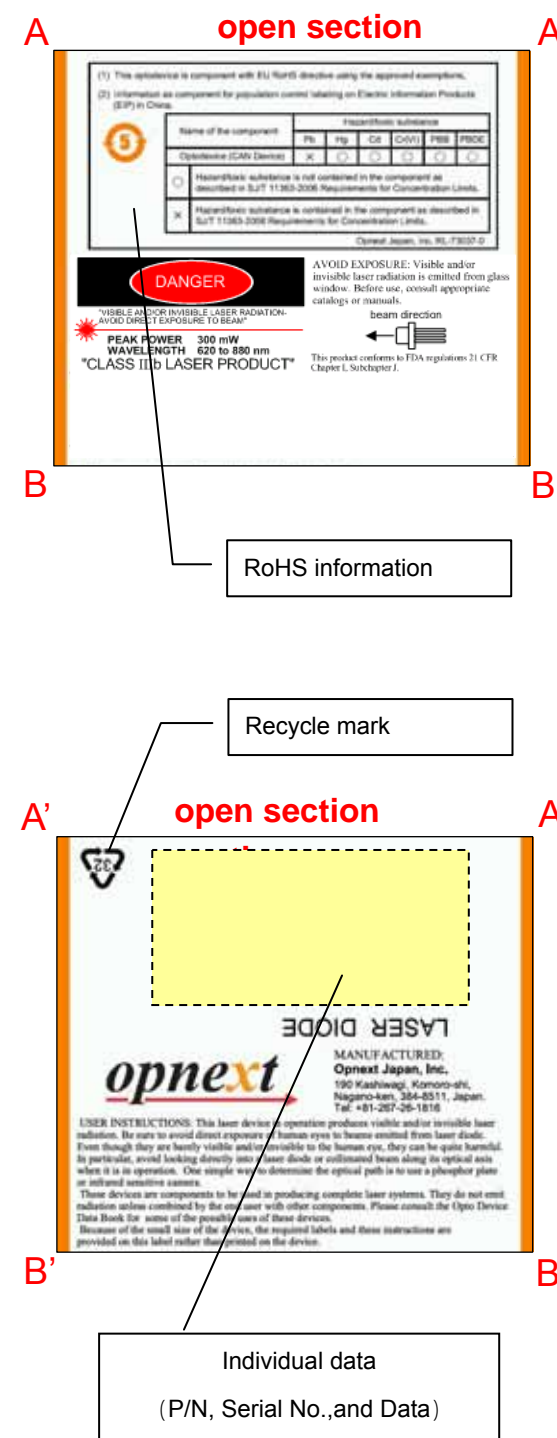
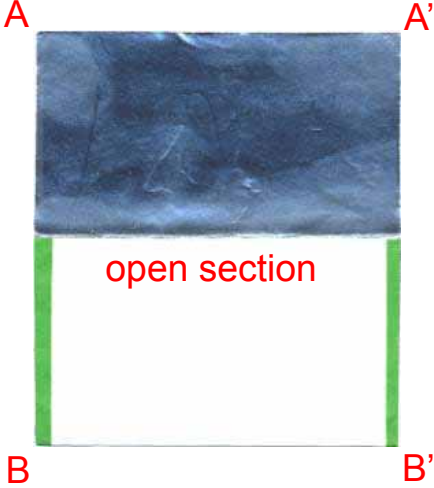
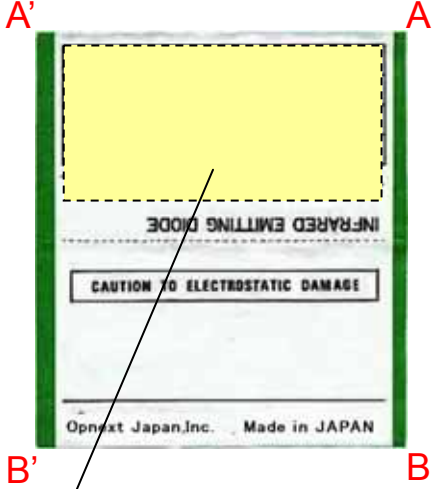
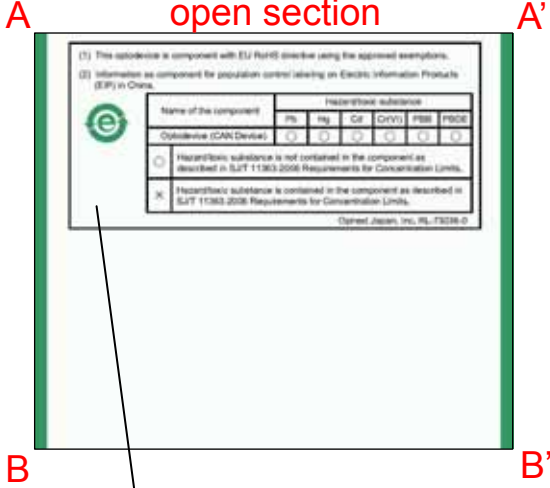
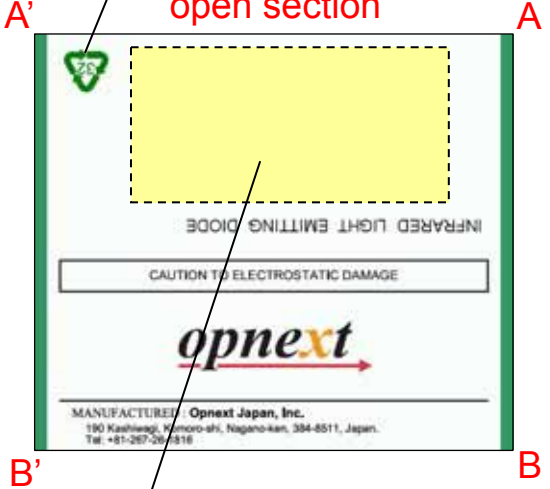
No.	Before change (Current)	After change (New)
3		 <p>open section</p> <p>DANGER</p> <p>VISIBLE AND/OR INVISIBLE LASER RADIATION-AVOID DIRECT EXPOSURE TO BEAM</p> <p>PEAK POWER 300 mW WAVELENGTH 620 to 890 nm *CLASS IIIB LASER PRODUCT*</p> <p>beam direction</p> <p>RoHS information</p> <p>Recycle mark</p> <p>open section</p> <p>♻️</p> <p>Individual data (P/N, Serial No.,and Data)</p>

Exhibit 3. Illustration of explaining new specification of IRED container bag

No.	Before change (Current)	After change (New)
4	 <p>A</p> <p>A'</p> <p>B</p> <p>B'</p> <p>open section</p>  <p>A'</p> <p>A</p> <p>B'</p> <p>B</p> <p>Individual data (P/N, Serial No.,and Data)</p>	 <p>A</p> <p>open section</p> <p>A'</p> <p>B</p> <p>B'</p> <p>RoHS information</p>  <p>A'</p> <p>open section</p> <p>A</p> <p>B'</p> <p>B</p> <p>Recycle mark</p> <p>Individual data (P/N, Serial No.,and Data)</p>

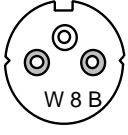
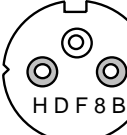


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Title	Purpose :	Serial No. :
Marking form change	① Change of specification 2 Document review 3 Additional information	
Object products	Related documents	Expiration date
HL6312G etc. (please see appendix)	-	No limitation

Please be advised that marking form on the laser diodes will be changed from "stamp" to "laser mark". Also the marking position will be changed from the "bottom of the stem" to the "side of the cap". For the details, please see below compararive table.

1 The contents of the change

Items	Current	New
Marking form	Stamp (black ink)	Laser mark
Marking position	Bottom of the stem	Side of the cap
Number of characters	5 characters (G-outline) 3~4 characters (MG-outline)	7 ~ 8 characters (G&MG-outline) note) please see appendix
for example	 MG-outline	 G-outline
		 

There is no change of characteristics and reliability by this marking change.

2 Reason of the change

To unify the marking for all laser diode products.
The products which commercialized after 2006 have already applied with the new marking.

3. Schedule of the change

It will be applied from July. 2008 production which will be marked as "8G" lot No.
In the time of transition, it will be possible that the products with current marking and new marking are shipped simultaneously.

If any documents required accompanying this marking change, please contact to our sales representative.

[New]

Table-1. G-package (ex. HL6312G) Marking specification

No.	Item	HL6312G Specification	Remarks	
1	Character font	Arial		
2	Character size	0.7mm(H) x (0.55)mm(W)	(Width : depend on the character)	
3	Number of Characters	8		
	1st line-1st column	D	Product code. if code is one character, 1st line is 3 characters	
	2nd column	F		
	3rd column	year code		(note 1)
	4th column	month code		(note 2, table-2)
	2nd line-1st column 2nd column 3rd column 4th column	in-house management code	(note 3)	
4	Marking position	Side of the cap		
5	color	(black)		

note 1 The year code is the last number of the produced year. (ex; "8" means the year 2008.)

note 2 The month code is marked with alphabet character. (see Table-2)

note 3 Opnext's internal management code

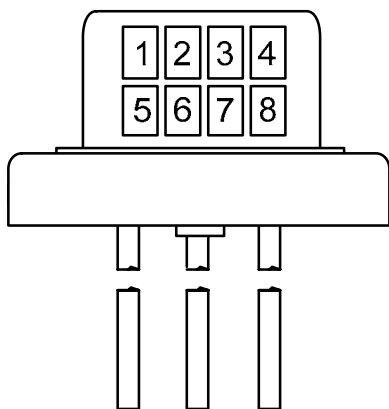


Fig. 1 Marking layout

Month	code
Jan	A
Feb	B
Mar	C
Apr	D
May	E
Jun	F
Jul	G
Aug	H
Sep	J
Oct	K
Nov	L
Dec	M

[Current]

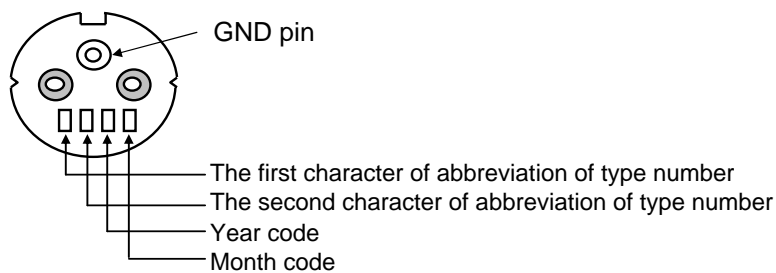


Fig-2. The view of MG package on the bottom

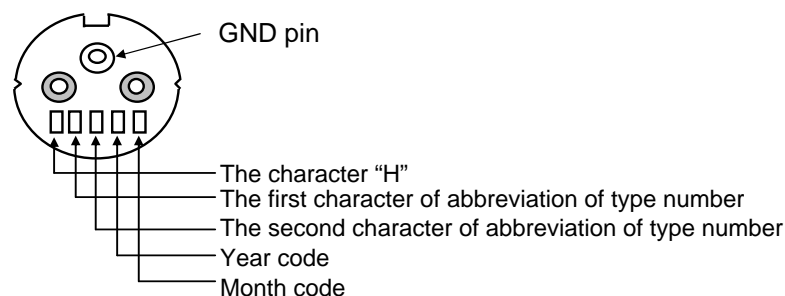


Fig-3. The view of G package on the bottom

Appendix-2: Applicable products list of laser marking

Type No.	Mark abbreviation	Type No.	Mark abbreviation
HL6312G	DF	HL6501MG	W
HL6313G	DM	HL6512MG	AZ
HL6314MG	B	HL6513FM	BG
HL6324MG	M	HL6515MG	BQ
HL6316G	DP	HL6516FM	BT
HL6319G	DT	HL6525MG	BM
HL6320G	DU	HL6526FM	BN
HL6321G	HV		
HL6322G	HW	HL6740FG	Z
HL6323MG	AU	HL6714G	DD
HL6325G	DX	HL6724MG	A
HL6326G	DY	HL6722G	DJ
HL6327MG	AL	HL6738MG	Q
HL6328MG	AM		
HL6331G	DZ	HL7851G	BD
HL6332G	EA	HL7852G	BE
HL6333MG	AS	HL8325G	GE
HL6334MG	AT	HL8333G	FN
HL6335G	EC		
HL6336G	ED		
HL6340MG	EF		
HL6341MG	EG		
HL6343G	EM		
HL6344G	EN		
HL6347MG	EP		
HL6348MG	EQ		