Approved	Checked	Designed	DEVELOPMENT SPECIFICATION		8		1
K. Sanada	S. Tokunomi	M. Miyazaki	P/N: LNV310105A				

TYPE	10-ELEMENT BAR GRAPH ARRAY (Lighting color:Green)
MATERIAL	GaP
APPLICATION	Indicators
OUTLINE	See attached drawing
CONNECTION	See attached drawing

ABSOLUTE MAXIMUM RATINGS	P/seg	*1 I_{FP}/seg	I_{FDC}/seg	V_R	Topr	Tstg
	60	100	20	5	−25~+80	−30~+85
	mW	mA	mA	V	°C	°C
CONDITION	Ta =25±3° C					

Test Specification

Item	Symbol	condition	Typ.	Limit		Unit
				Min.	Max.	
Forward Voltage	V_F	I_F =10mA	2.03		2.8	V
Reverse leakage Current	I_R	V_R = 5V			10	μA
Luminous intensity per LED	*2 Io	I_{FDC} =10mA	1900	600		μcd
Peak Emission Wavelength	λp	I_{FDC} =10mA	565			nm
Spectral Line Half Width	Δλ	I_{FDC} =10mA	30			nm

*1 The Condition of I_{FP} is duty 10%, pulse width 1ms.

*2 Io scattering of the same element in the same case Io max/min ≦ 2.5
(condition is I_{FDC} =10mA/chip)

SEP. 25. 1998			

Panasonic KAGOSHIMA MATSUSHITA ELECTRONICS CO., LTD. KB-H-022-018B

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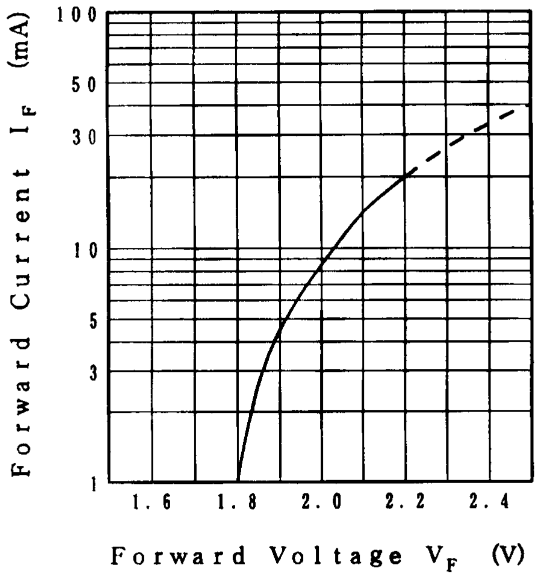
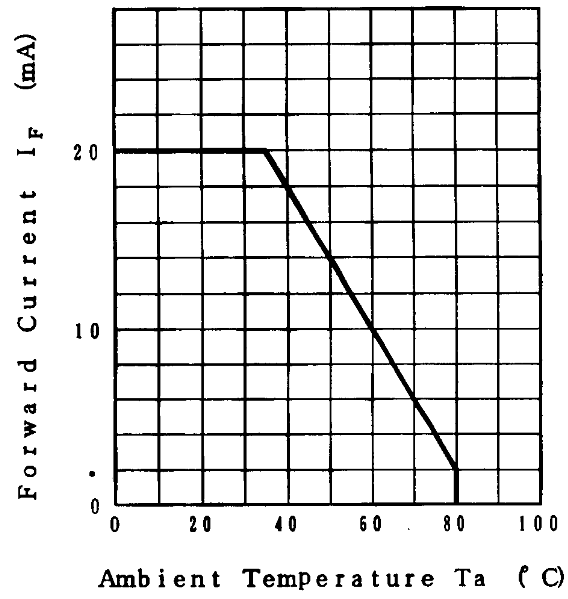
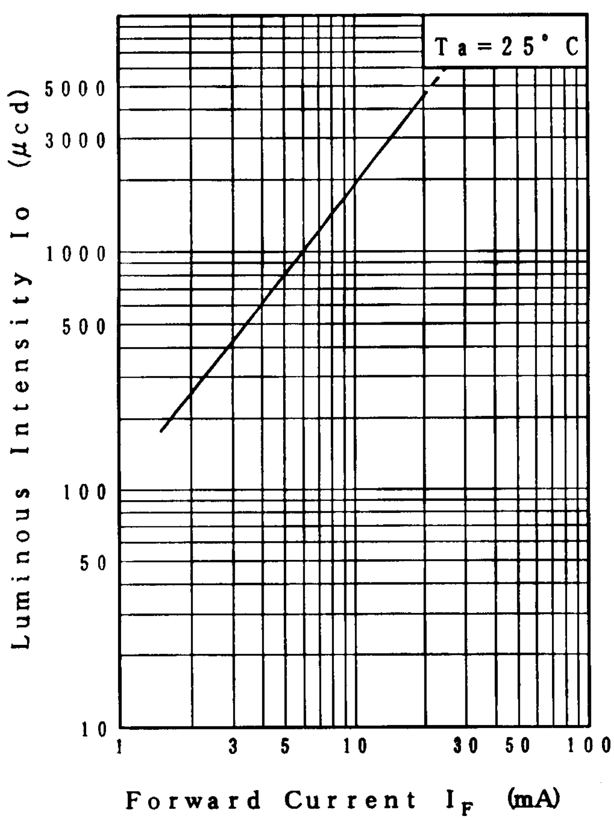
I_F – V_F



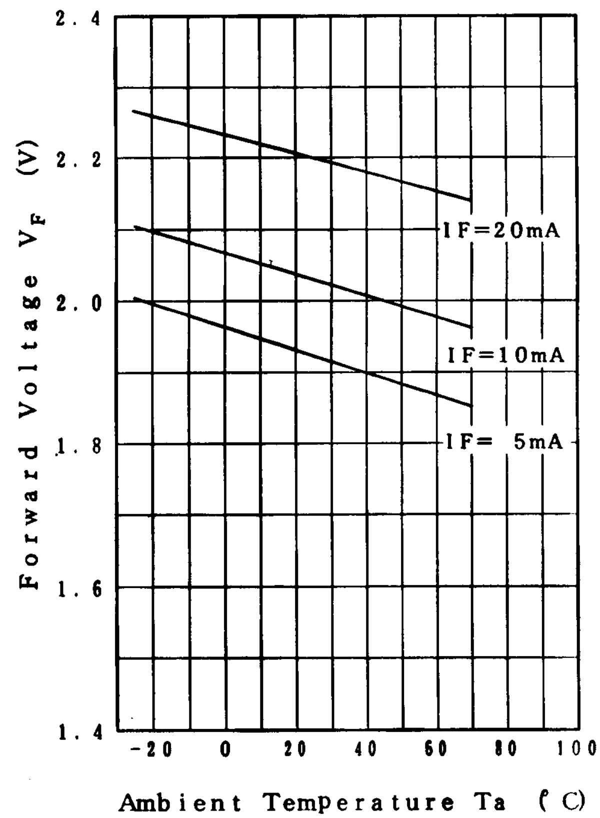
I_F – Ta



Io – I_F



V_F – Ta



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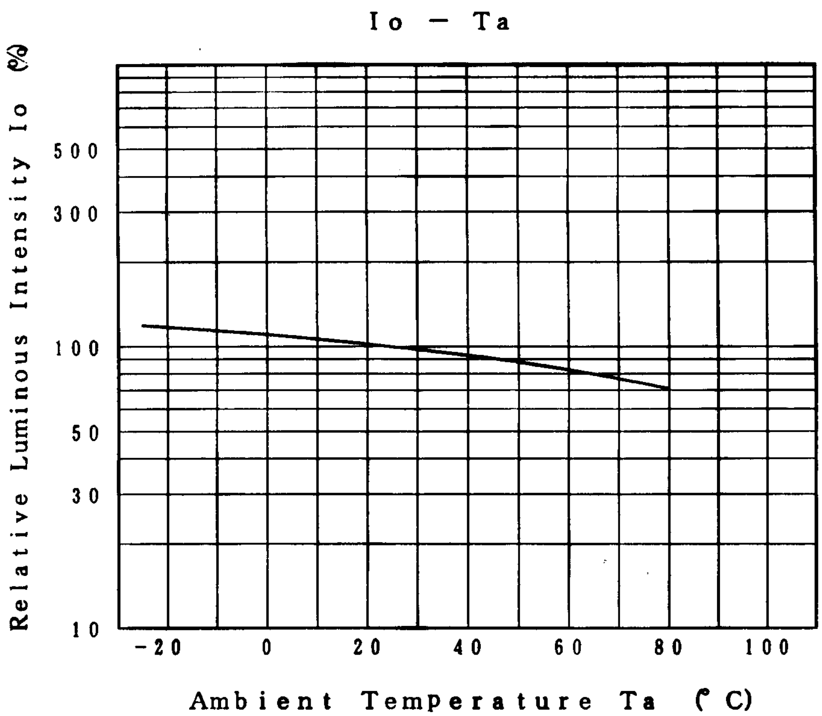

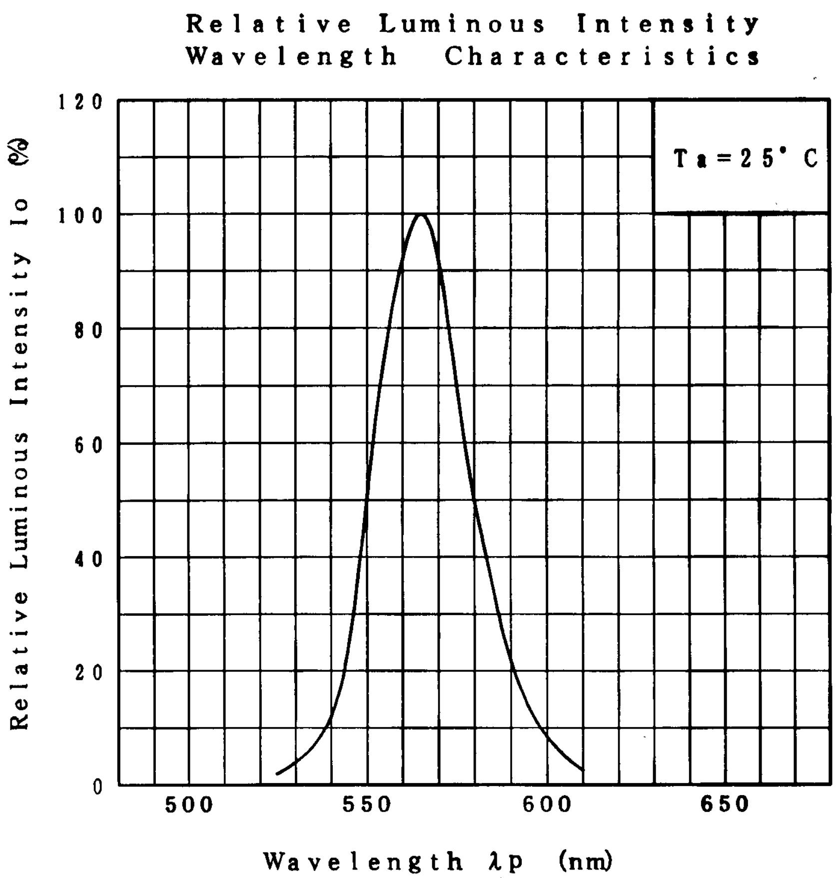

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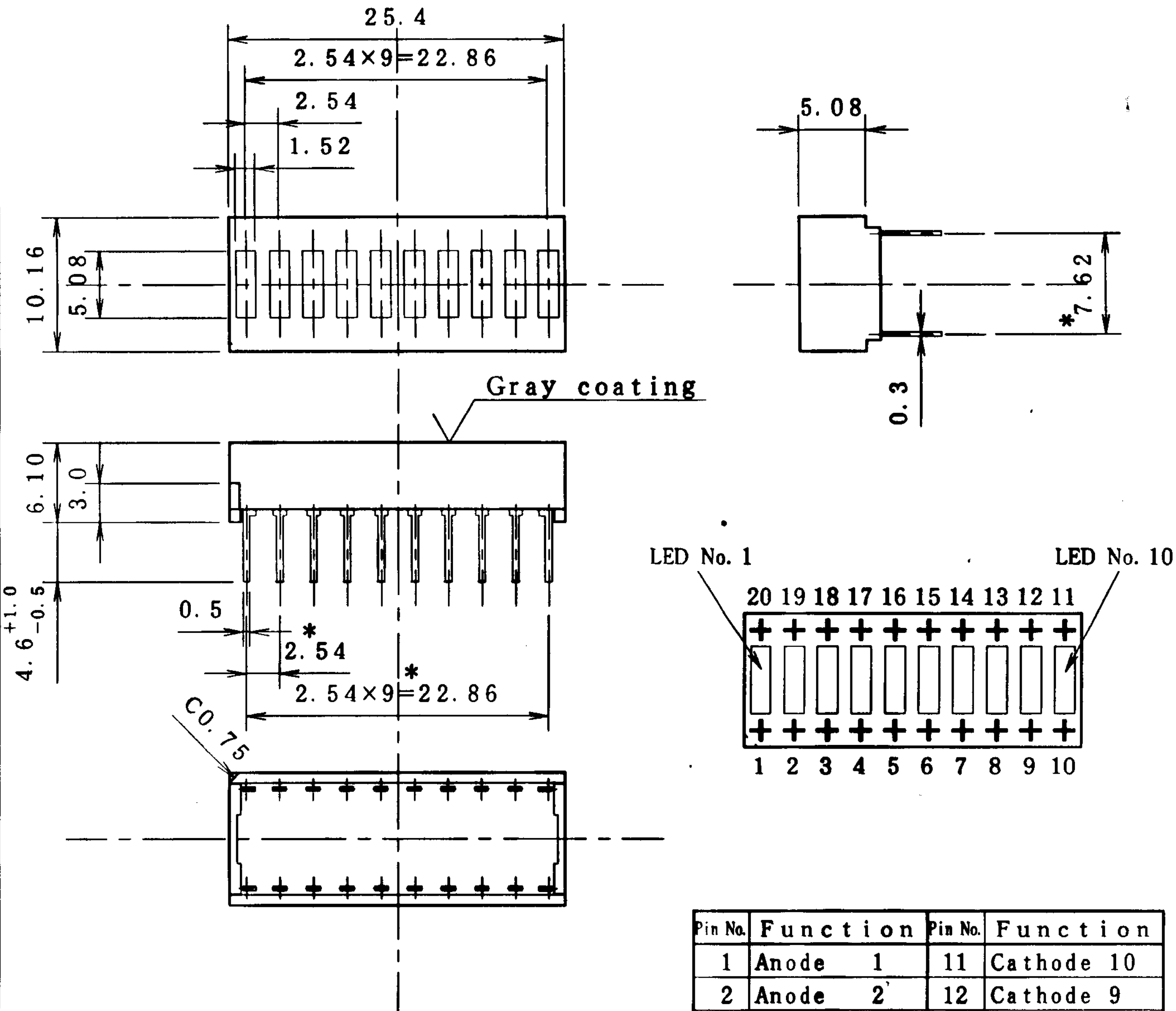
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION				
			P/N: LNV310105A		8		4



Pin No.	Function	Pin No.	Function
1	Anode 1	11	Cathode 10
2	Anode 2	12	Cathode 9
3	Anode 3	13	Cathode 8
4	Anode 4	14	Cathode 7
5	Anode 5	15	Cathode 6
6	Anode 6	16	Cathode 5
7	Anode 7	17	Cathode 4
8	Anode 8	18	Cathode 3
9	Anode 9	19	Cathode 2
10	Anode 10	20	Cathode 1

Notes:
1. Dimensional tolerance without any indication shall be ±0.3
2. "*" Lead wire dimension. (The bottom of lead.)
3. It is out of spec for lead bending.
4. Soldering Recommendations: Max. 260℃, Less than 5 seconds.
5. Keep away at least 2 mm from resinous base of the lead.
6. Don't use freon solvent to wash.

SCALE: 2/1 THIRD ANGLE PROJECTION. ALL DIMENSIONS IN MILLIMETERS.

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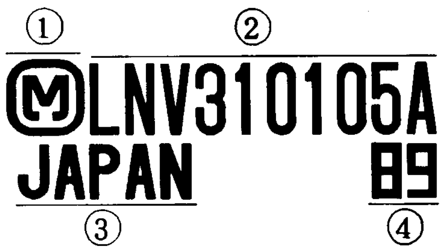
MARKING STYLE

1. The contens of marking.



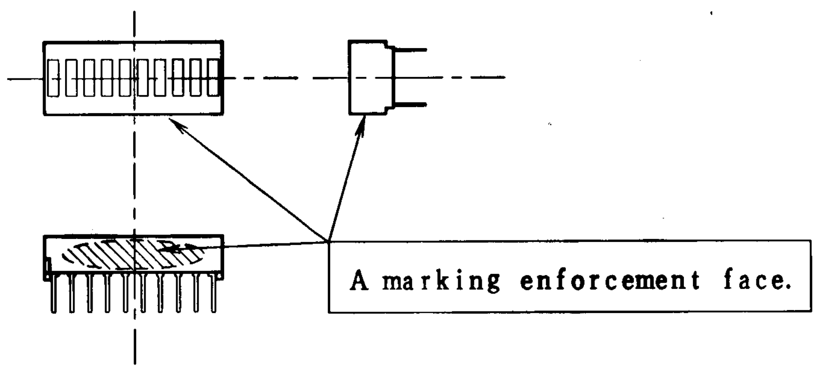
① The trademark of Pansonic.

② A customer part number.

③ The country of origin.

④ A manufacturing lot number.

2. The marking position.

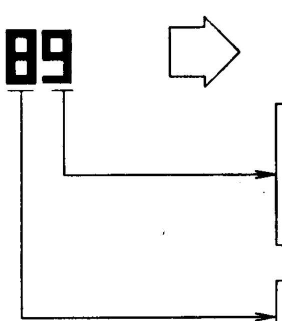


3. Color of ink.

BLACK

4. The standard that gives a manufacturing lot number.

< Example >　　< Meaning >



Production : A. D. 1998, September

The month when this part was manufactured.
JAN : 1 , FEB : 2 , MAR : 3 , APR : 4 , MAY : 5 ,
JUN : 6 , JUL : 7 , AUG : 8 , SEP : 9 , OCT : 0 ,
NOV : N , DEC : D

The year when this part was manufactured.
1998 ⟶ 8

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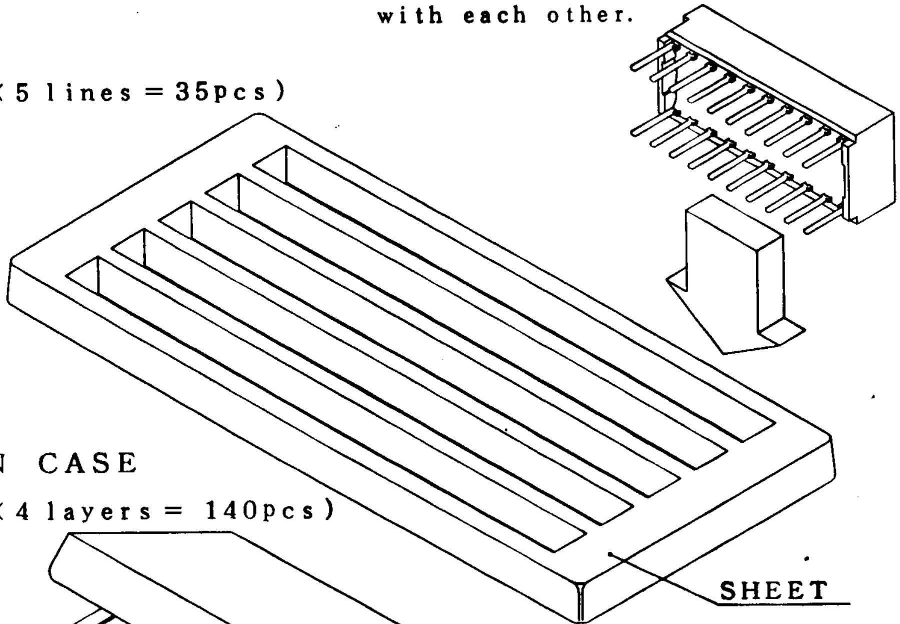
PACKING STYLE

1. SHEET

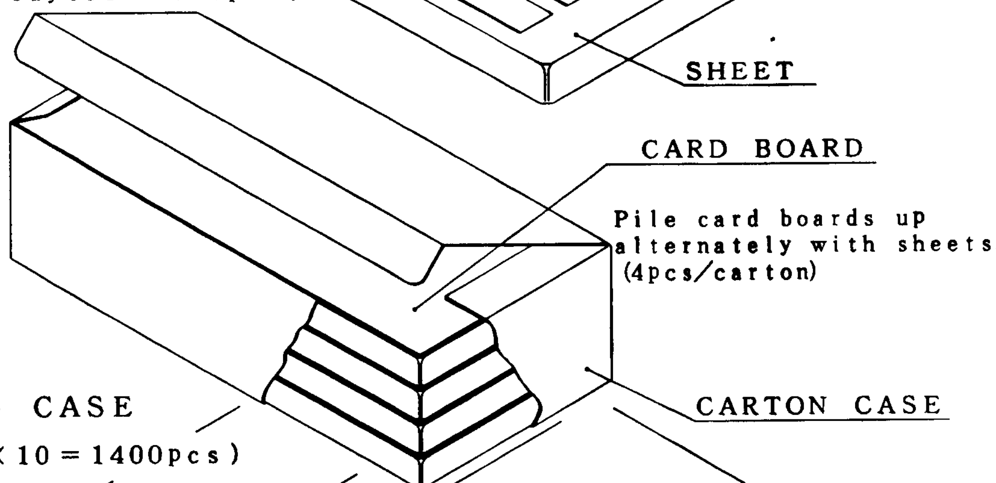
(7 pcs × 5 lines = 35pcs)

※Line the products into a sheet with their direction corresponded with each other.



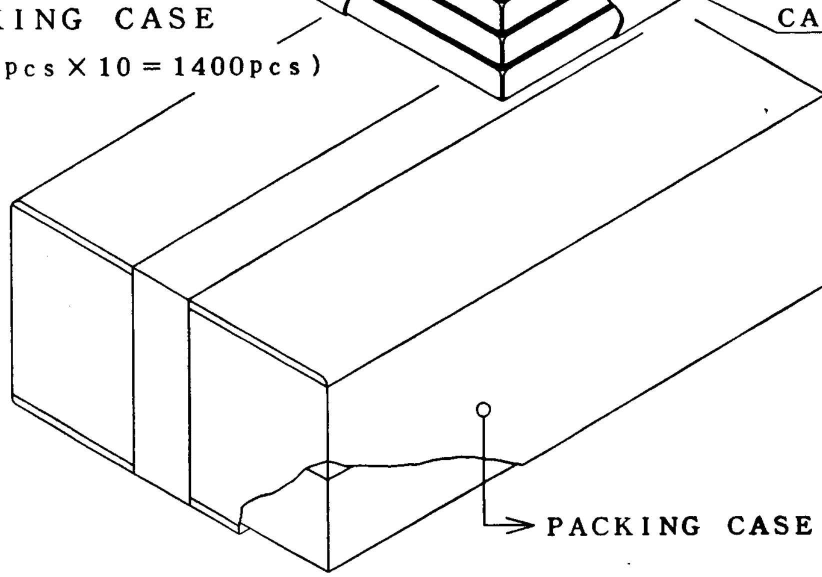
2. CARTON CASE

(35 pcs × 4 layers = 140pcs)



3. PACKING CASE

(140 pcs × 10 = 1400pcs)



4. Number of components used for packing.

SHEET	1/35pcs	CARTON CASE	1/140pcs
CARD BOARD	1/35pcs	PACKING CASE	1/1400pcs

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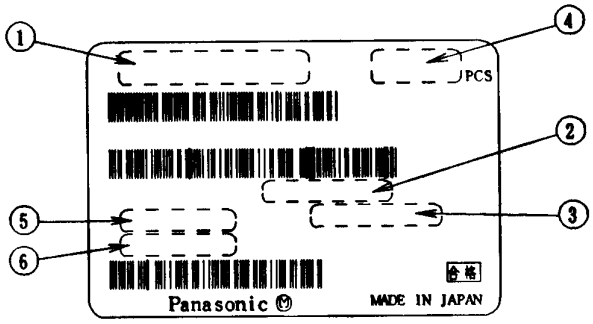
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION			
K. Sanada	S. Tokutomi	M. Miyamoto	P/N: LNV310105A		8	7

Specification of contents entry to packing materials.

1. Contents that enter to a laber.

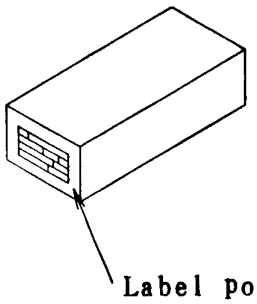


① —— A customer number.
② —— A maker part number.
③ —— A maker part number.
④ —— Packing quantity.
⑤ —— A luminous intensity rank.
However, we do not carry out a luminous intensity rank.
⑥ —— A manufacturing lot number.

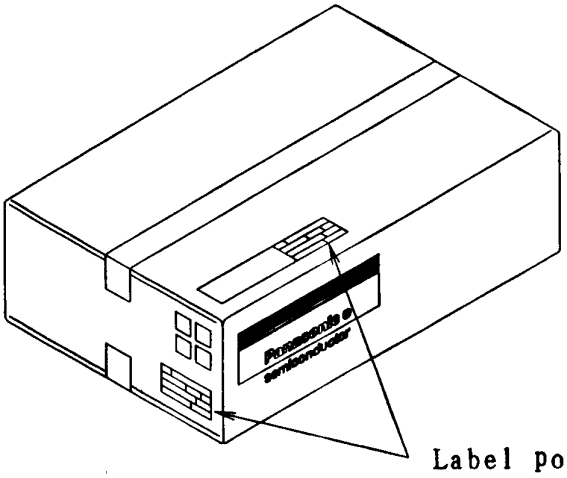
3. Label position.

A label is attached, to the position where it shows with a rongh sketch.

< CARTON CASE >



< PACKING CASE >



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   - Any applications other than the standard applications intended.

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