PREPARED BY: DATE:		3	SPEC No. DG-944063
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APPROVED BY: DATE:	ELECTRONIC COMPONE		PACE 7 Pages
	SHARP CORPORATION		REPRESENTATIVE DIVISION
			OPTO-ELECTRONIC
	SPECIFIC	זארדראו	DEVICES DIV.
	SPECIFIC	ALLON	
2. Please obey the in Contact a Sharp devices for anny recommend by Sharp device is Main uses of the OA equipment (2) Please tags used for the Gas lea detect other safety (3) Please do	designed for general electronic is device are as follows; AV equipment flowe applia (Terminal) Me asuring equipment the proper steps in order to main the uses mentioned below which rning control and safety of a vehion breaker. Traffic signs	nder the copyright of the consent. actual use of this do advance when you in plications for gener equipment. Tooling machine ntain reliability and require high reliability and require high reliability and require high require elements. Cle (17 ppanes train reliability and require high reliability and require high reliability and require high require elements.	evice. tend to use SHARP alelectronic equipment cation Computer, etc. d safety in ease this device ity. n, automobile etc.) urglar alarm box
CUSTOMER'S APPR	OVAL	DATE PRESENTED BY	1, Abe
DATE		Engineering D	eneral Manager of ept., ,111 ic Devices Div.
B Y		ELECOM Group SHARP CORPOR	

MODEL No,		PACE
	LT6U26TP	1

LT6U26TP

This data sheet is to introduce the specification of the light emitting device, Model Na. LTGU20TP, delivered to

1. Structure and characteristics

Structure: Radial type taping of GLOURZOT, GAALAS/GAALAS Red LED, the leads o re

straight at 18.0 mm from the bottom face of resin.

Taping specifications: See Page 3 Packing specifications: See Page 4,5 Taping test: See Page 6

Outline dimensions and pin connections of GLOURZOT: See Page 7

2. Absolute maximum ratings,

 $(Ta=25^{\circ})$

Parameter	Symbo I	Symbo I Value		Unit	
Power dissipation	P	75		√₩	
Continuous Forward current	ΙF	3 0		● A	
Peak forward current (Note 1)	្រា	50			
Derat ing factor	_	(DC) 0.40	(Pulse) 0.87	■A/℃	
Reverse voltage	VR	4		V	
Operating temperature	Topr	-25~+ 85			
Storage temperature	Tata	-25 ~ +100		7	
Sol dering temperature (Note 2)	Tsol	260 (within 5 seconds)			

(Note 1) Outyratio = 1/10, Pulse width = O.1as(Note 2) Distance from the bottom of resin : 1.8 20

3. Electro-optical characteristics

(Ta=25℃)

Parameter	Symbo	Conditions	Min.	Ĩγp.	Meux .	Unit
Forward voltage	VF		_	1.85	2,5	V
Luminous intensity (Noto 3)	Ιv	Ir = 20mA	130	400	-	e cd
Peak emission wavelength	λp	1F - 20 WA		660	-	"m
Spectrum radiation bandwidth	$\Delta \lambda$		=	20	-	
Reverse current	IR	VR_= 3 V_	ı	-	100	μA
Termina I capacitance	Ct.	V = OV, f = 1MHz	-	25	1	pF

(Noto 3) Torel ante; ±15%

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3. When an LED lampis mounted directly on PNB

If the bottom face of on LED lappis O ouated directly on single-aided PUB, the base of the lead pins may be subjected to physical stress due to PWB warp, cutting or elinching of leadpins.

Prior to use, be sure to check that no disconnection inside of the resin or danage to resinete., is found.

when an LED lampis o ounted on double-sided PWB, the heat during soldering affects the resin; therefore, keep the LED | app o ore than 1.600 • float shove the PWB.

4. Others

If any problem should arise from this specification, the supplier and user should work out a nutually acceptable solution.

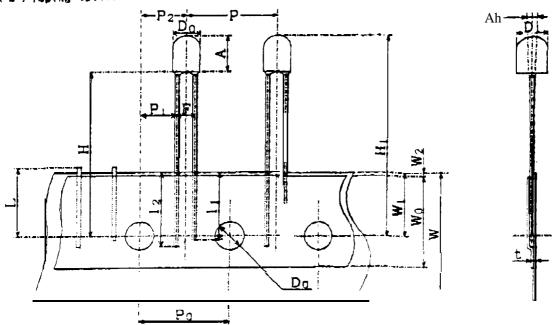
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(1) Taping specifications



Paraneter	Symbol		Remark
lamp diameter(Short)	D.	44.8 ±0.2	
lamp diameter(Long)	D	45.8 ±0.2	
Lamp height	A	7.7 ±0.2	
Lead diameter	d	0.5 ± 0.1	
Device spacing (Center to center)	Р	12.7 ±1.0	ļ
Hole pitch (Center to center)	P。	12.7 ±0.3	
Hole location	Р	5.08±0.7	
	P,	6.35±1.3	
Lead spacing (Center to center)	F	2.54 MIN	<u> </u>
Inclination	<u> </u>	0.0 ±2.0	<u>e</u>
Tage width	W	18.0 ± 5:5	
Adhesive tape width	W,	13.0 ±0.3	
Hole center to tape edge	W	9.0 ±0.5	
Adhesive tage edge to tage edge	W,	1,0以下	
Lamp bottom to hole center	H	18.0 ±1.0	
Total lengit	H	25.7 ±0.5	
Covered lead lengit	1	13.5 以上	
	1 2	14.5 以上	
Hole diameter	D,	44.0 ±0.2	
Lead lengit after rejective defective product	L	11.0 以下	
Tape thickness(total)	t	0.7 ±0.2	d

-Kemark-

- a. Dimension allowance a must be lam or less per 20 pitches.
- b. Measuring point shall be delow the resim.
- c. Measuring point shall be the lamp top. d. The base sheet is 0.37±0.1 in thickness.

%Lamp specifications:See Pege 7

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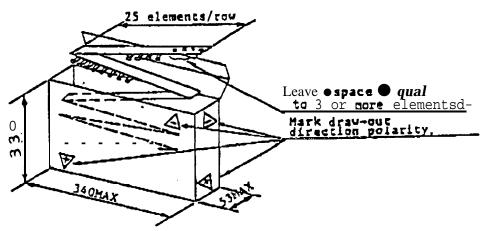
(2) Packing Specification

1. Packing form

Box type

- a) Folding type of a radial-type taping dimension (separately discussed) to a length of 25 elements per row.
- b) Leave a space equal to 3 or more elements at both ends of the tape. Model No., luminous intensity rank and polarity are printed
- c) Distinguish cathode draw-out method from anode draw-out method, according to light-emitting diode polarity.

 The former corresponds to the upper lid opening method and the latter corresponds to the lover lid opening method.



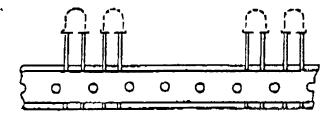
*Insert cushion a aterial between product ● nd upper or lower lid of the case.

2. Packing quantity

2,000 elements per case (standard)

3. Hissing elements

Three or less consecutive • lements • ay be missing, as shown below.



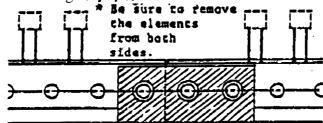
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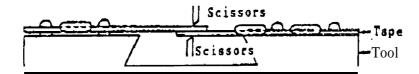
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4.Connecting

1) To connect the 'tapes{case Of finishing or cutting the tape), cut the tape • nds and connect them using connecting tape, as shown below.

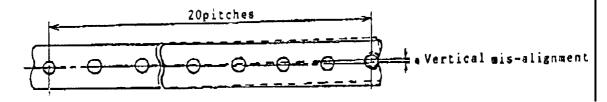


- 2) Major points of connecting
 - O Cutting the tape Attachthe tapes to tool, as shown below, and cut at the center between feed holes of both tapes using scissors.



- 2 Connecting the tape After cutting, connect the tapesusing the connecting them to the tape under the condition of attaching tool.
- 3) Accuracy of connecting

The connecting tape should not cover the feed holes (D.) . And total tape thickness (t must be less khan 1.5mm after connect Dimension allowance "a"must be lessthanian per 20 pitches.



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(3) Taping Test

No.	Items	Test Hethod	Performance Criteria
1	Lead wire attength	1) Horizontal direction 100g Fixed Apply 100g load in the direction shown by the arrow above for 3 sec. ±1.	In accordance with Specifications for Inserted Parts.
		Apply 100g load in the direction shown by the arrow above for 3 sec. ±1.	In accordance with Specifications for Inserted Parts
2	Adhesive test	1) Strength test Fixed Apply 500g load in the direction shown by the arrow for 3 sec. ±1.	Lead wire must not be out of place or missing
		2) Life test Let sample stand at normal temperature and humidity for 6 months.	SAME WE SOUR

UNIT:

(Note) Cold rolled steel leads are plated withtin but the tie-bar cut portions have no plating.

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