

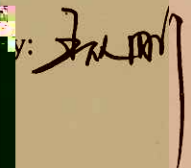
LIGHT

TRONICS CO., LTD.

LG-05PD4D94K-003B-B-T DATA SHEET

SPEC. NO. : SZ2
DATE : 2023
REV. : A/4

Approved By: 

By: 

Prepared By: 

Change History

REV.	Content	De
A/0		
A/1	Change the characteristic curve	
A/2	Pin and PCB surface improvement of warping can be	
A/3	Pin and PCB surface are modified from "0±0.1" to "0±0.05".	
A/4	In order to improve product at the client, the pin and PCB surface was modified from "0±0.1" after negotiation by the technical department of both parties	

Part No. LG-05PD4D94

Electrical Optical Characteristics at Ta=25°C

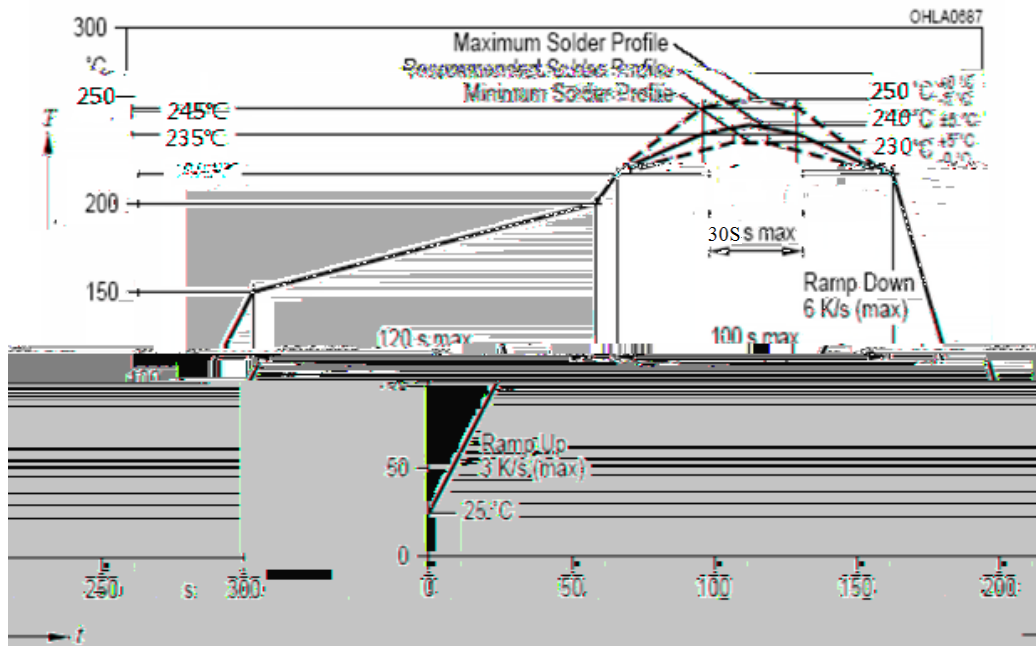
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
Range Of Spectral Bandwidth	0.5	840	---	1100	nm	---
Reverse Light Current	I_L	60	71	85	μA	$V_R=5V$ $E_e=1mW/cm^2$ $\lambda=940nm$
Reverse Dark Current	I_D	---	---	100	nA	$V_R=10V$ $E_e=0mW/cm^2$
Reverse Voltage	$V_{(R)}$	30	---	---	V	I_R)((
Forward Voltage	V_F	---	---	1.5	V	
	$* \theta_{1/2}$	35	40	45	°	
Total Capacitance	C_T	---	25	---	pF	$V_R=5$ $E_e=0mW/cm^2$ $f=1.0MHz$

Note:

- $\theta_{1/2}$ is the off-axis angle at which the Reverse Light Current is half the axial
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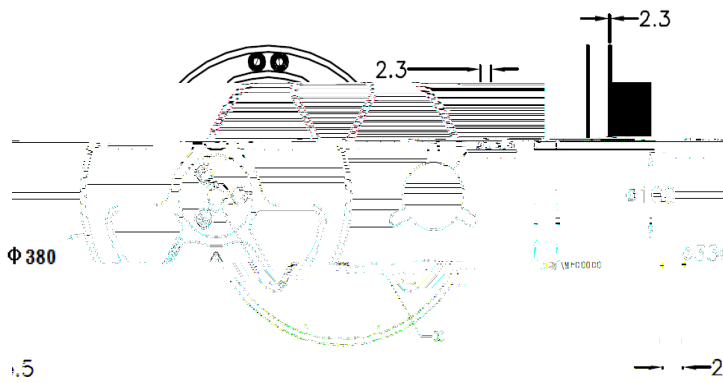
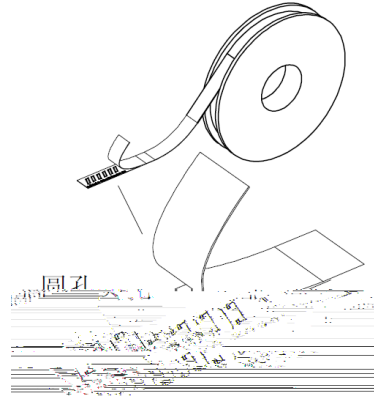
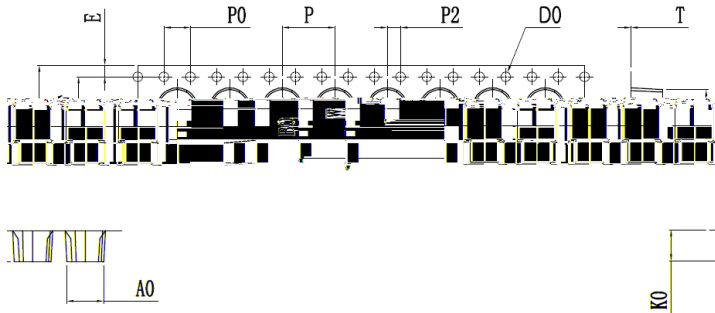
Suggest IR Reflow Condition For Lead Free:



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Package

Package Dimensions



Item	Specification	
	Minum	Maximum
W	15.97	16.3
P	7.9	8.1
E	1.65	1.85
F	7.4	7.6
D	1.5	1.6
P0	3.9	4.1
P0x10	39.8	40.2
P2	1.9	2.1
A0	5.2	5.4
B0	10.6	10.8
K0	4.8	5.0

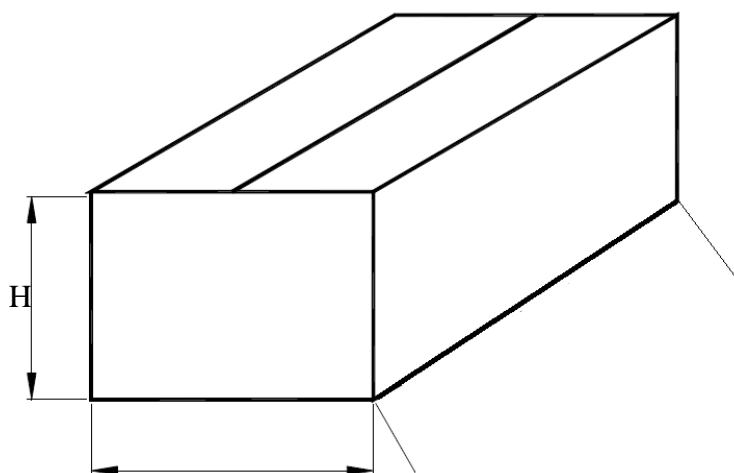
Notes:

- 1.All dimensions in millimeters.
- 2.All dimensions meet EIA-481-C requirements.
- 3.Cover tape by a heat sealing manner.

Package Spec:

1.1500pcs per reel .

15 reel per carton/Total 22500pcs per carton.



Item	Specification	
	minnum	Maximum
L	465	475
W	405	415
H	405	415