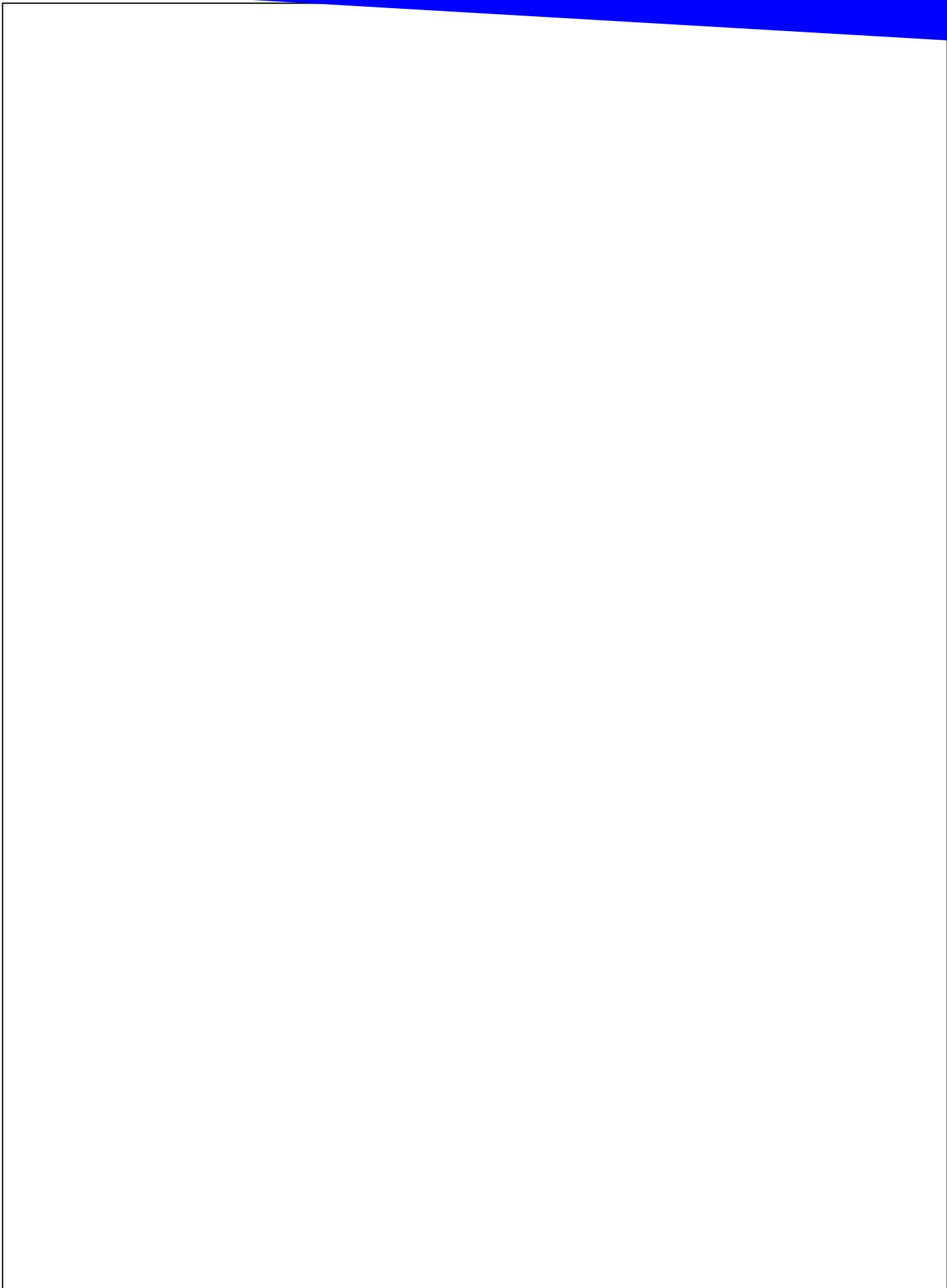
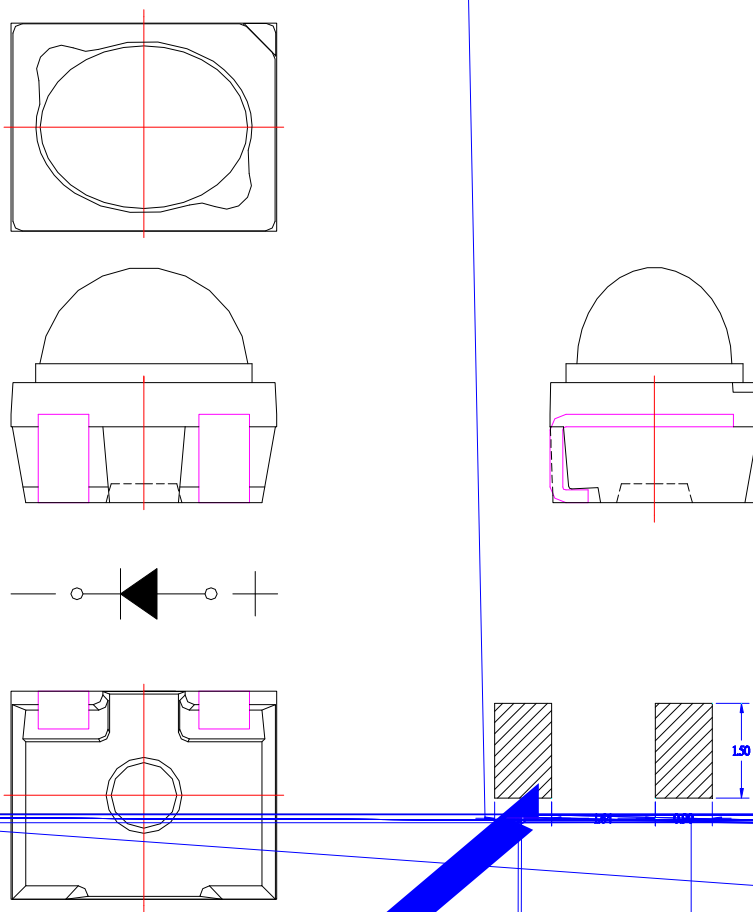


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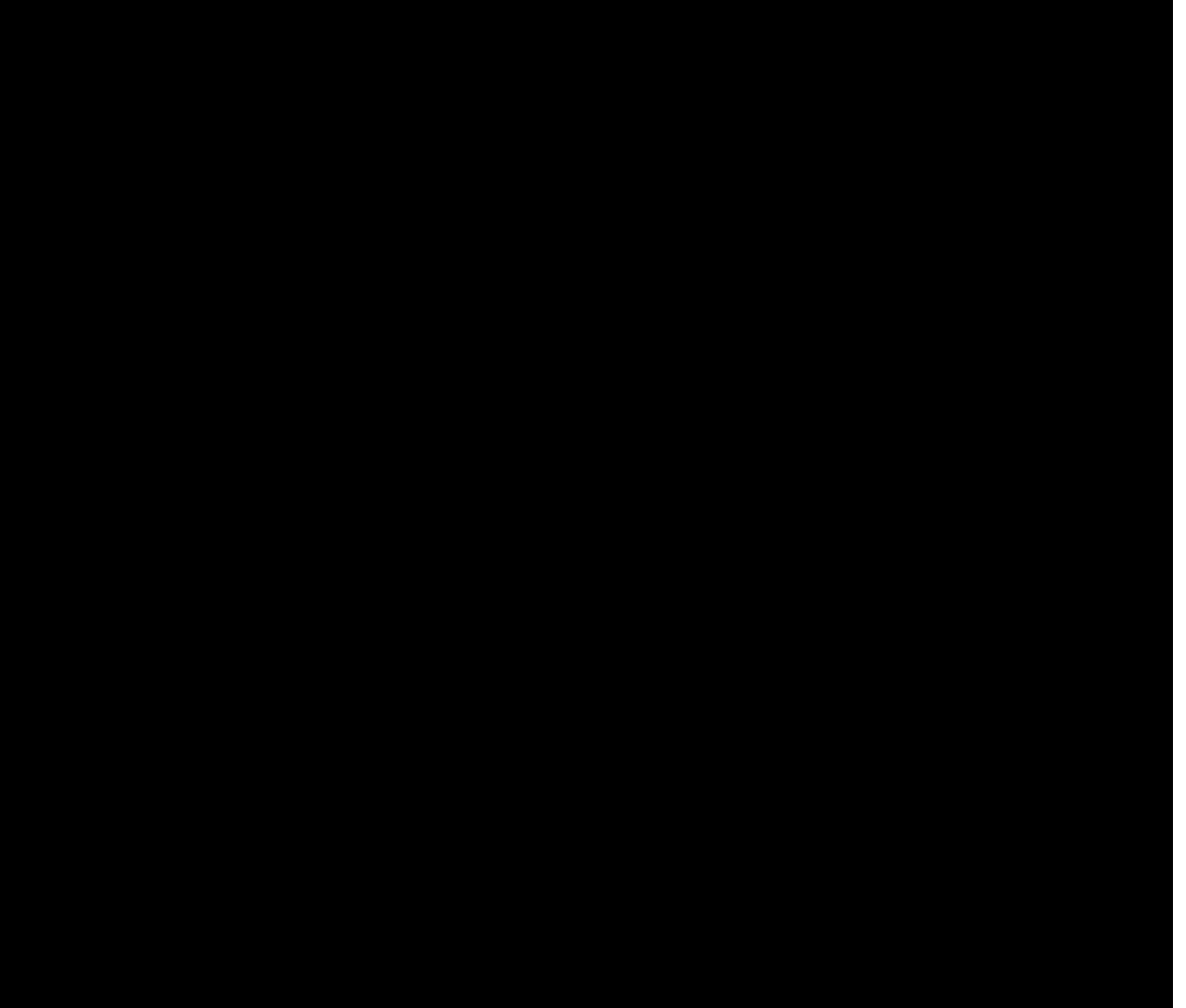
Pb free product—RoHS compliant  
 Low power consumption, High efficiency  
 Reliable and rugged  
 Long life – solid state reliability  
 Radiant angle: 105°/50°



Part NO.	Chip Material	Lens Color
SL-T4233IP-550-L365-P	AlGaAs/Si	Water Clear

1. All dimensions are in millimeters.
  2. Tolerance is  $\pm 0.10\text{mm}$  unless otherwise noted.
- Specifications are subject to change without notice.

LIGHT ELECTRONICS CO., LTD.



Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiant Intensity	I <sub>e</sub>	8.8	12	---	mW/sr	I <sub>F</sub> =20mA (Note 1,3)
		21	30	---	mW/sr	I <sub>F</sub> =50mA (Note 1,3)
Viewing Angle(X)	1/2	---	105	---	Deg.	(Note 2)
Viewing Angle(Y)		---	50	---		
						I <sub>F</sub> =50mA
Spectral Line Half- Width						I <sub>F</sub> =50mA
Forward Voltage	V <sub>F</sub>	---	1.35	1.60	V	I <sub>F</sub> =50mA
Reverse Current	I <sub>R</sub>	---	---	10	μA	V <sub>R</sub> =5V

1. Point sources of the amount of radiation per unit time in a given direction within the unit solid Angle radiated energy.

1/2 is the off-axis angle at which the Radiant Intensity is half the axial Radiant Intensity.

3. The I<sub>e</sub> guarantee should be added ±15% tolerance.



## Radiant Intensity Bin Code (IF=50mA)

BIN CODE	Min. (mW/sr)	Max. (mW/sr)
31	21	26
32	26	31
33	31	37
34	37	44
35	44	53

: The Ie guarantee should be added  $\pm 15\%$  tolerance.

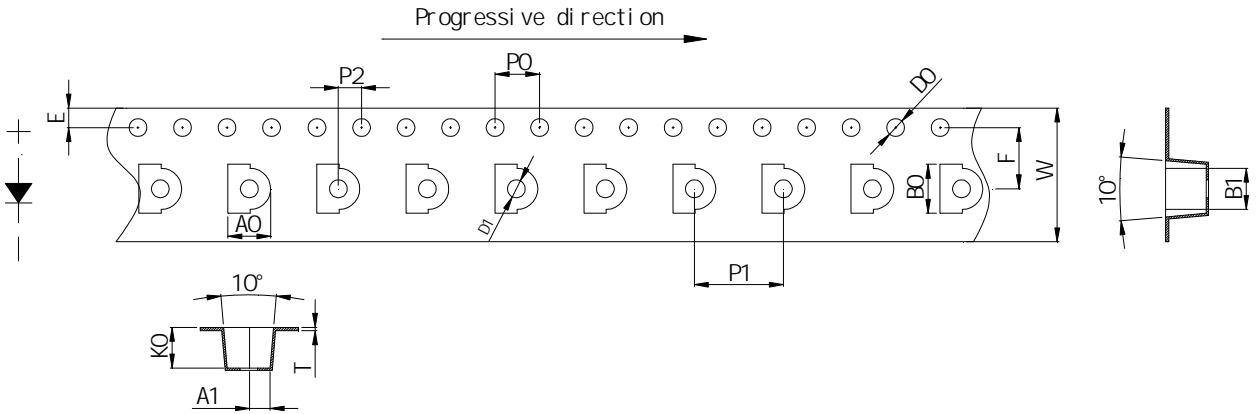
## Label Explanation



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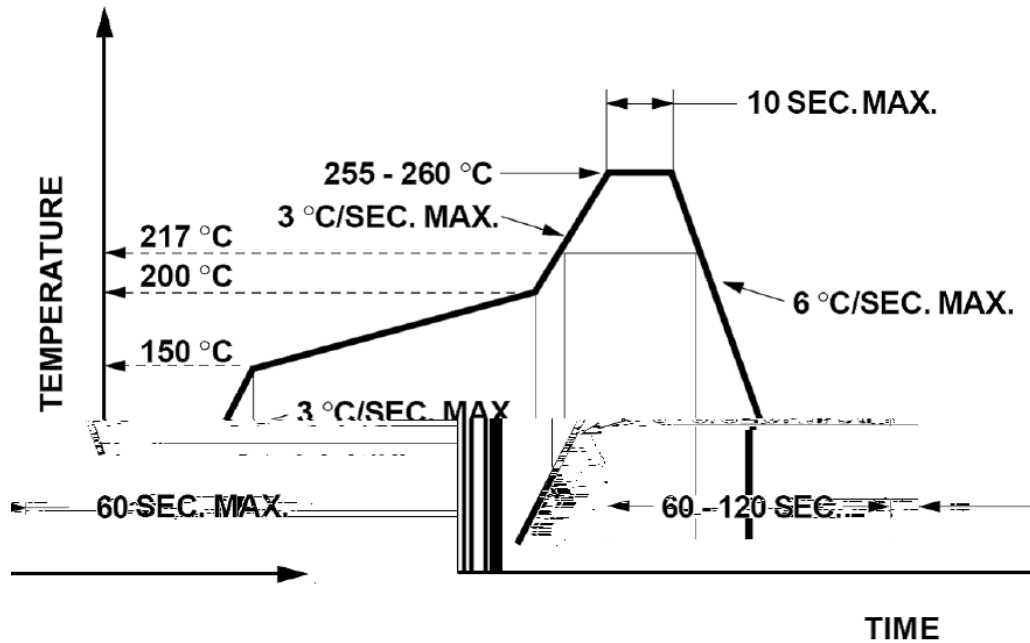
### Carrier Tape Specifications (Loaded Quantity: 2300pcs/reel)

ITEM	W	A0	A1	B0	B1	K0	E	F	D0	D1	P0	P1	P2	T
DIM	12.00	3.85	1.85	4.40	3.70	3.65	1.75	5.50	1.50	1.60	4.00	8.00	2.00	0.30
TOL	+0.30 -0.30	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.05 -0.05





## Suggest IR Reflow Condition For Lead Free



1. Reflow soldering should not be done more than two times.
2. When soldering, do not put stress on the LEDs during heating.

## Soldering iron

1. When hand soldering, the temperature of the iron must less than 300 °C for 3 seconds.
2. The hand solder should be done only once.

## Repairing

Repair should not be done after the LEDs have been soldered. When repairing is unavoidable, a double-head soldering iron should be used (as below figure). It should be confirmed beforehand whether the characteristics of LEDs will or will not be damaged by repairing.

