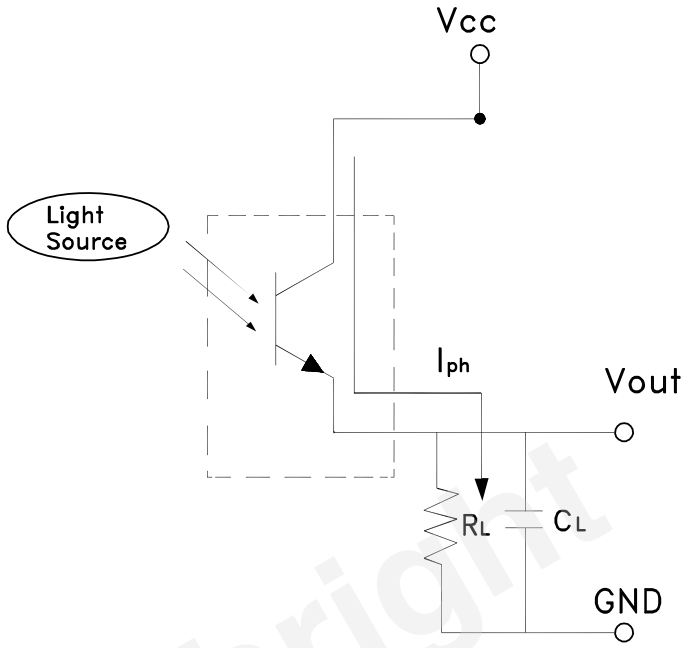
Converting Photocurrent to Voltage



Notes:

1.The output voltage (Vout) is the product of photocurrent (IPH) and loading resistor (RL)

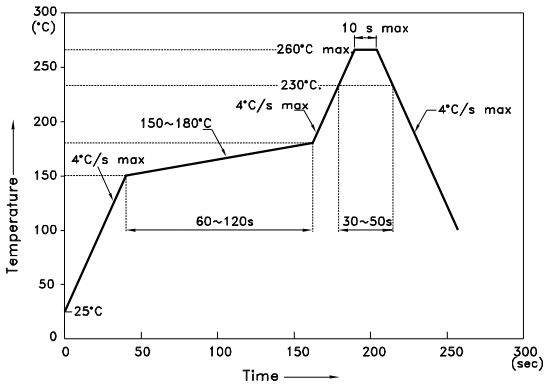
2.A right loading resistor shall be chosen to meet the requirement of maximum ambient light, and output saturation voltage:

Vout(max)=Iout(max.)XRL≤Vout(sataration)=Vcc−0.3V

KPS-3227SP1C

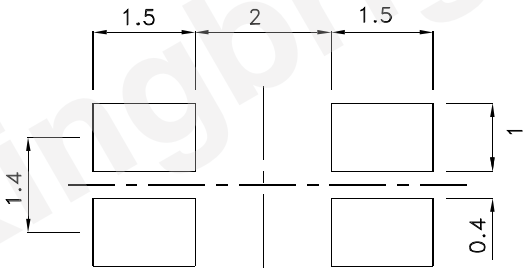
Reflow soldering is recommended and the soldering profile is shown below.
Other soldering methods are not recommended as they might cause damage to the product.

Reflow Soldering Profile For Lead-free SMT Process.



NOTES:
1. We recommend the reflow temperature 245°C(+/-5°C).The maximum soldering temperature should be limited to 260°C.
2. Don't cause stress to the epoxy resin while it is exposed to high temperature.
3. Number of reflow process shall be 2 times or less.

Recommended Soldering Pattern
(Units : mm; Tolerance: ± 0.1)



Tape Specifications
(Units : mm)