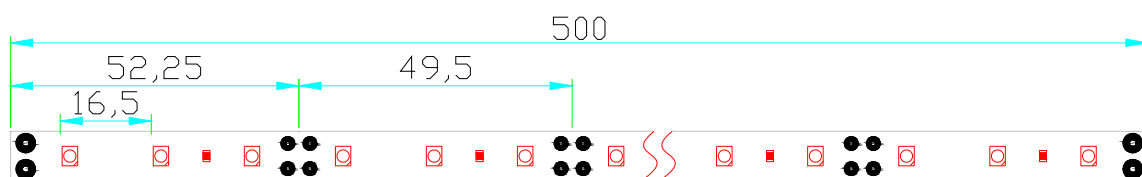


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Weatherproof Flexible LED ribbon tape



Technical Operating Data (per meter)

Product	Color	Number of LEDs/M	Voltage [V DC]	Power [W]	Current [A]	Viewing angle[°]	Wave length[nm] Color temp [°]	Lum.[lm] IV[mcd]
(LEDWPROOFW)	White	60	12	4.8	0.4	120	6500 K	250 lm
	Warm white	60	12	4.8	0.4	120	3200 K	150 lm

Technical Features

Linear separable LED strip on flexible

Size of printed circuit board (L x W x H) 6000 mm x 9mm x 2,5 mm

Size of smallest unit (L x W): 50mm x 9 mm
 Smallest unit of 3 LEDs can be cut out at regular intervals without damaging the rest of the module



All Data are related to the entire module

Due to the special conditions of the manufacturing processes of LED the typical data of technical parameters can only reflect

statistical figures and do not necessarily

correspond to the actual parameters of each single product which could differ from the typical data.

Reflow profile

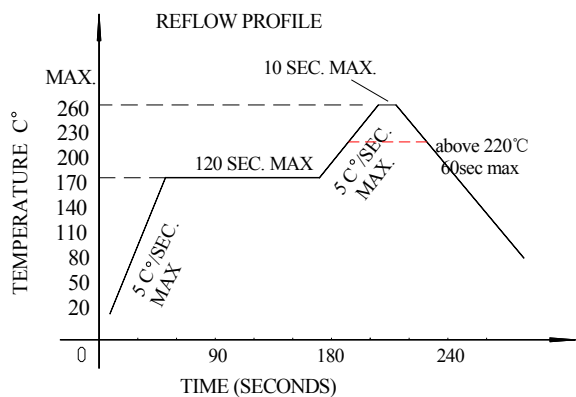
- Soldering condition
 - Recommended soldering conditions

Reflow Soldering		Hand Soldering	
Pre-heat	160~180°C	Temperature	300°C Max.
Pre-heat time	120 seconds Max.	Soldering time	3 second Max. (one time only)
Peak temperature	260°C Max.		
Soldering time	10 seconds Max.		
Condition	Refer to Temperature-profile		

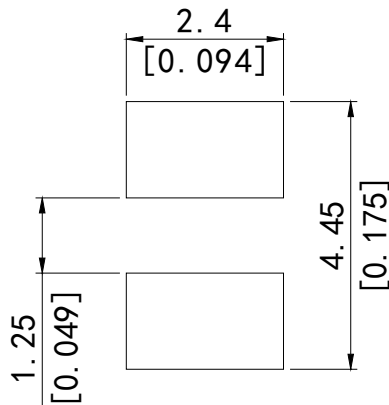
- After reflow soldering rapid cooling should be avoided

- Temperature-profile (Surface of circuit board)

Use the following conditions shown in the figure.



RECOMMEND PAD DESIGN (Units: mm)



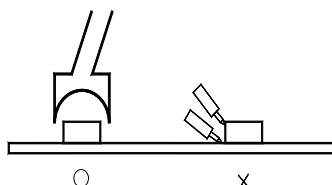
1. Reflow soldering should not be done more than two times
2. When soldering, do not put stress on the LEDs during heating

■ Soldering iron

1. When hand soldering, keep the temperature of the iron under 300°C, and at that temperature keep the time under 3 sec.
2. The hand soldering should be done only a time
3. The basic spec is ≤5 sec. when the temperature of 260°C, do not contact the resin when hand soldering

■ Rework

1. Customer must finish rework within 5 sec under 260°C
2. The head of iron can not touch the resin
3. Twin-head type is preferred.



■ CAUTIONS

The encapsulated material of the LEDs is silicone. Therefore the LEDs have a soft surface on the top of package. The pressure to the top surface will influence the reliability of the LEDs. Precautions should be taken to avoid the strong pressure on the encapsulated part. So when using the picking up nozzle, the pressure on the silicone resin should be proper