V L S O Technology Company

Product specifications

Component: 3MM white light LED
Model: F3 white long
Item no: 130324

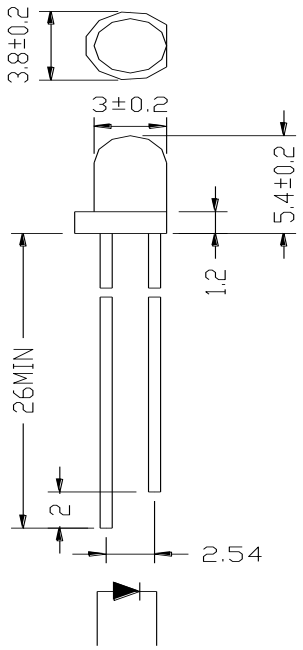
Product Specifications

Electro-Optical Parameters（Ta=25℃）

Part Number	Colour	Colour Temperature $\lambda_{p(K)}$	Forward Voltage V_F（V）	Reverse Current I_R（uA）	Luminous Intensity IV(mcd)
		I_F=20mA	I_F=20mA	V_R=5V	I_F=20mA
VL-L3-WC-6K (Clear)	White	6500-7000	3.2-3.4	≤10	7000 - 8000
VL-L3-WC-3K (Clear)	Warm White	2700-3000	3.2-3.4	≤10	5000 – 7000
VL-L3-WD-6K (Diff)	White	6500-7000	3.2-3.4		5000 – 6000
VL-L3-WD-3K (Diff)	Warm White	2700-3000	3.2-3.4	≤10	4000 - 5000

Other Parameters

Outline Drawing　　Unit of measure：mm



Parameter Limit
Max Power Consumption
PM=120mw
Maximum Forward Current
IFM=30mA
Recommended Operating
15 mA-18 mA
Peak Current
IFP=75mA
Reverse Voltage
5V
Soldering Temperature
260℃(<5S)
Operating Temperature
-25℃--+85℃
Storage Temperature Range
-30℃-+85℃

Further information

LED soldering conditions

(1) soldering: soldering iron (up to 30W) tip temperature should not exceed 300 ℃; soldering irons must be grounded, not exceeding the scope of static electricity; welding for no more than 3 seconds; welding position colloidal 3 mm at least.
(2) dip: dip the highest temperature 260 ° c; dip in less than 5 seconds dip at least from colloidal 3 mm

Pin Forming

(1) Allow 2mm from base of LED for bending.
(2) Pin forming must be done with a clamp or by professionals.
(3) Forming must be completed prior to soldering.
(4) Ensure spacing between pins matches the holes in the PCB.

LED installation method

(1) Ensure correct polarity when installing the LEDs.
(2) make sure not to install pin deformed LEDs.
(3) Static sensitive devices. Ensure adequate precautions to avoid ESD when handling the devices.

Cleaning

If cleaning is required we suggest the use of alcohol wipes.
Avoid the use of chemicals which may cause surface damage and discolouration of the LED lens, such as trichlorethylene, acetone, etc.