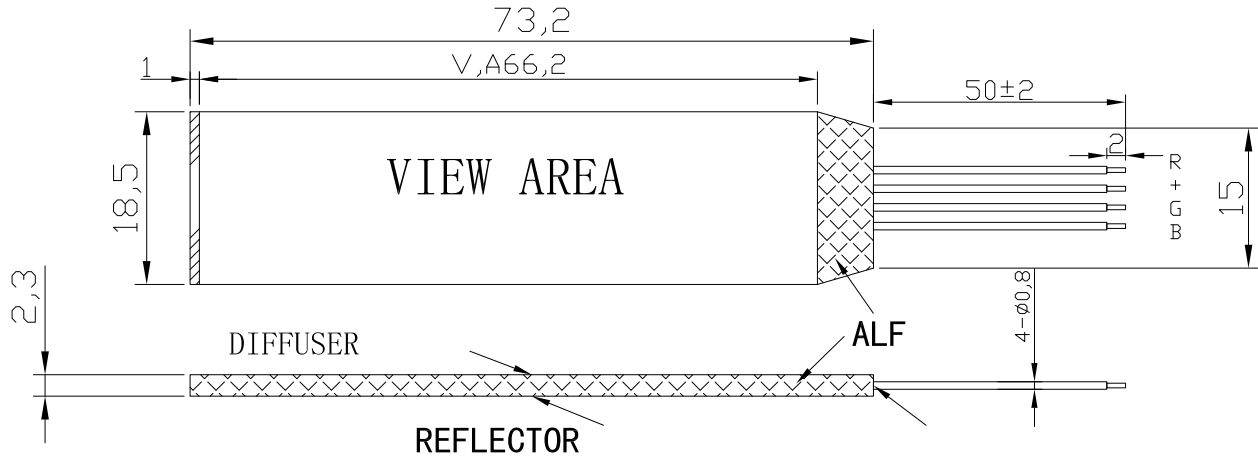
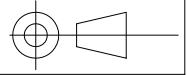


DFRobot

CUSTOR TYPE

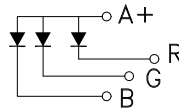
PRO TYPE

1. 结构尺寸 MECHANICAL OUTLINE (未注尺寸公差 Unspecified Tolerances is ± 0.3) UNIT:mm



COLOUR: RED GREEN BLUE

CIRCUIT DIAGRAM:



(LED DICE 1*3 DIES)

2. ELECTRICAL-OPTICAL CHARACTERISTICS

Unless specified, The Ambient temperature $T_a=25^\circ\text{C}$

Item	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Forward Voltage	V_f	R:1.8 G:2.8 B:2.8	R:2.0 G:3.0 B:3.0	R:2.2 G:3.2 B:3.2	V	If= 3-10 mA
Peak wave length	λ_P	R:615 G:515 B:465		625 525 475	nm	
Uniformity	Avg	70			%	
Luminance Plus or minus 20%	L_v	reference with samples			cd/m ²	Vr= 5 V
Reverse Current(Per LED)	I_r			5	uA	

3. ABSOLUTE MAXIMUM RATINGS

Unless specified, The Ambient temperature $T_a=25^\circ\text{C}$

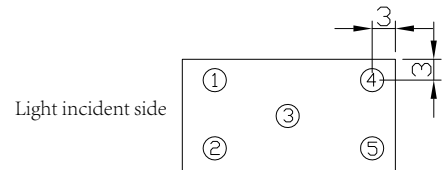
Item	Symbol	Conditions	Rating	Unit
Absolute maximum forward current	Ifm		3-15	mA
Peak forward current	Ifp	1 msec 1 msec Plus 10% Puty Cycle	3-60	mA
Reverse voltage	Vr		5	V
Power dissipation	Pd		3-75	mW
Operating Temperature Range	Topr		-20~+70	°C
Seorage Temperature Range	Tstg		-30~+80	°C

4. *The luminance is the average value of 5 points, and The $L_{vmin.}/L_{vmax.}$ is more than 0.70 Typical (0.80). The measurement instrument Using SM208 screen luminance meter Measuring the aperture $\square 7\text{ mm}$.

5. STORAGE & SOLDERING CONDITIONS

- *Store with care. Storing the units in bad condition will cause the reflector sheet and decrease it's adhesive power. Storage The products under the condition: temperature ($25^\circ\text{C} \pm 10^\circ\text{C}$) and humidity ($65\%\text{RH} \pm 20\%\text{RH}$) our recommendation.

- *The Soldering Temperature is $260 \pm 5^\circ\text{C}$ and Soldering Time should be less than 3 sec, and soldering iron Soldering iron power is less than 30W. Welding point should be from the product entity is greater than 1.6 mm



MARKING	DESCRIPTION	DATE
DESIGN:	COUNTERSIGN:	APPROVED:

REV: A0
DRAWING NO: