



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SPECIFICATION

产品规格书

CUSTOMER : _____

(客户)

PART NO. : _____

(产品型号)

SPEC NO. : _____

(规格书编号)

DATE : _____

(日期)



FOR AFFIRM

(供方确认)

FOR AFFIRM		
(供方确认)		
AFFIRM (核准)	CHECKED (审核)	PREPARED (制定)
		刘小龙

Light color : Red 、 Green 、 Blue
Absolute maximum rating (Ta=25°C)

- Operating/Storage temperature range : -30°C ~ +85°C
- Derating linear from 25°C : 0.4 mA/°C
- Lead soldering temperature range : 260°C for 3 second
- Colloid Color: White Clear
- Life Test: 20,000 ~ 50,000 hours

Electro-optical characteristics (TA=25°C)
RED COLOR :

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	V_F	❖	2.00	2.25	V	$I_F = 20 \text{ mA}$
Luminous intensity	I_V	❖	1000	1200	mcd	$I_F = 20 \text{ mA}$
Peak emission wavelength	λ_p	❖	620	630	nm	❖
Half intensity angle	$\Delta \theta$	❖	25	❖	deg	❖

GREEN COLOR :

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	V_F	❖	3.5	5	V	$I_F = 20 \text{ mA}$
Luminous intensity	I_V	❖	1500	2000	mcd	$I_F = 20 \text{ mA}$
Peak emission wavelength	λ_p	❖	515	525	nm	❖
Half intensity angle	$\Delta \theta$	❖	25	❖	deg	❖

BLUE COLOR :

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	V_F	❖	3.5	5	V	$I_F = 20 \text{ mA}$
Luminous intensity	I_V	❖	1200	1500	mcd	$I_F = 20 \text{ mA}$
Peak emission wavelength	λ_p	❖	460	470	nm	❖
Half intensity angle	$\Delta \theta$	❖	25	❖	deg	❖

Direct Current Characteristics

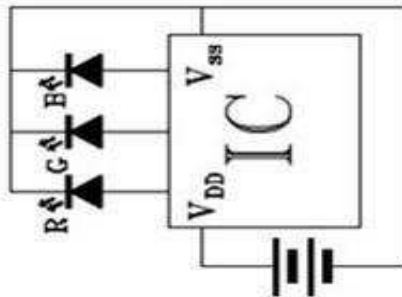
Parameter	Symbol	Min	Typ.	Max	Unit	Remarks
Operating voltage	V_{DD}	2.0	4.5	5.0	V	❖
Driver Current	I_{ol}	❖	50	❖	mA	@ $V_{DS} = 1.2V$
Power Consumption	P_o	❖	225	❖	mW	$V_{DD} = 4.5V$
Flash Frequency	F_{tet}	❖	0.2	❖	Hz	External $\pm 30\%$

*All specs and applications shown above subject to change without prior notice.

(以上电路及规格仅供参考，本公司可进行修正)

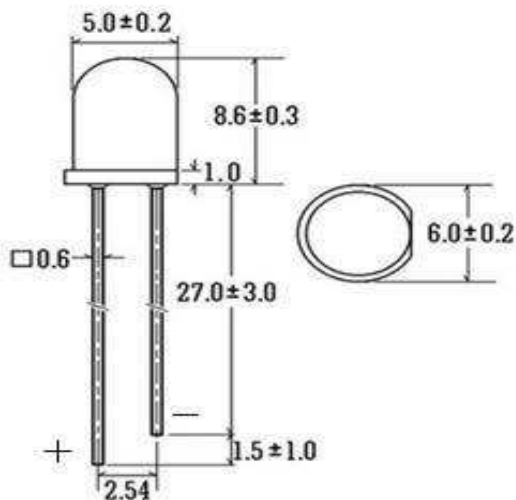
Application diagram and Dimensions

Application Diagram

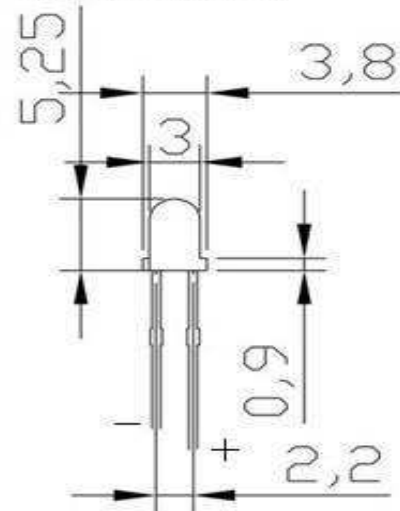


NOTE:
Unit:mm

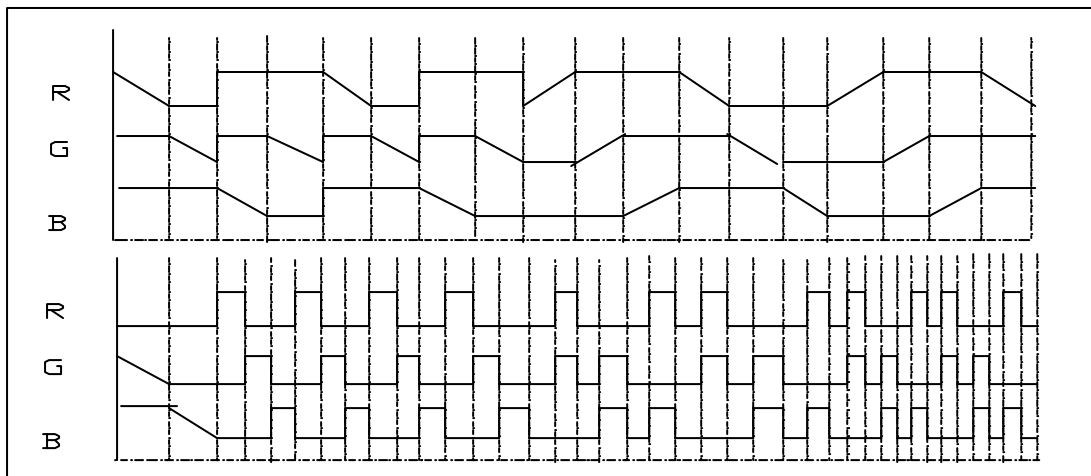
Dimensions:5mm



Dimensions:3mm



Output Sketch Map



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