



佛山市国星光电股份有限公司

FOSHAN NATIONSTAR OPTOELECTRONICS CO., LTD

SPECIFICATION

Customer		Product	
Customer No.		Type	SLR1501CRA1BD GX
Materiel No.		Version number	A0

APPROVED SIGNATURES

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FORMER: FOSHAN OPTOELECTRONICS CO., LTD

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Research & Development Center

APPROVE	CHECK	DRAW
Date	2014-07-28	

1. Description:

- ✧ 1.5" Red Numeric Display
- ✧ These display provide excellent reliability , with low power dissipation and long life-span
- ✧ These devices are made with white segment and black surface
- ✧ Common Anode Show
- ✧ Complied With RoHS Directive

2. Application:

Numeric Display Show

3. Absolute Maximum Ratings (TA=25℃) :

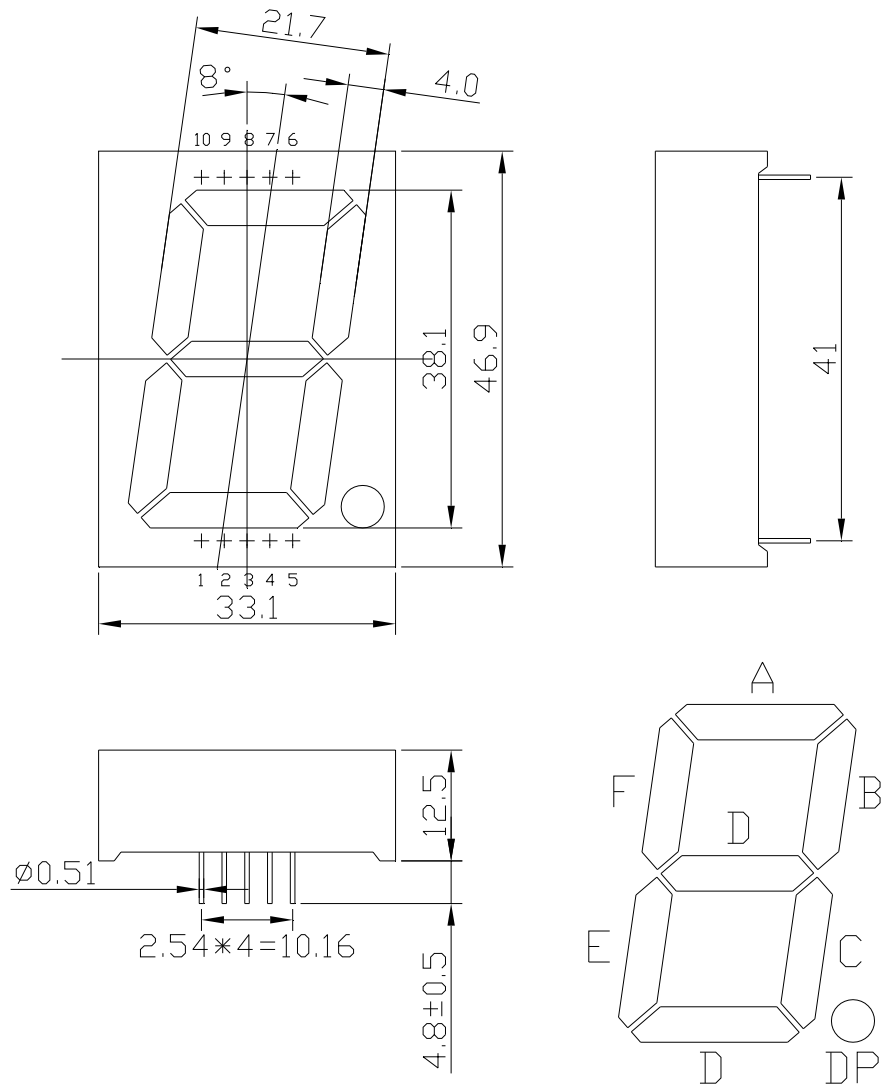
Items	Minimum value	Maximum value	Unit
DC forward current I _F /Seg	---	20	mA
Reverse voltage V _R /Seg	---	5	V
Operating temperature T _{OPR}	-25	+85	℃
Storage temperature T _{STG}	-25	+85	℃
Peak pulse current I _{FM} /Seg	---	60	mA

Note: Condition for I_{FP} is pulse of 1/10 duty cycle and 0.1msec width.

4. Typical Electrical & Optical Characteristics (TA=25℃) :

Items	Condition	Unit	Minimum value	Typ value	Maximum value
Forward Voltage V _F /Seg	I _F =10mA	V	3.6	4.0	4.8
Forward Voltage V _F /DP	I _F =10mA	V	1.8	2.0	2.4
Reverse current I _R /Seg	V _R =5V	uA	---	---	50
Peak wavelength λ _D	I _F =10mA	nm	630	635	642
Halfwidth △λ	I _F =10mA		---	30	---
Luminous intensity I _v /Seg	I _F =10mA	mcd	30	45	70

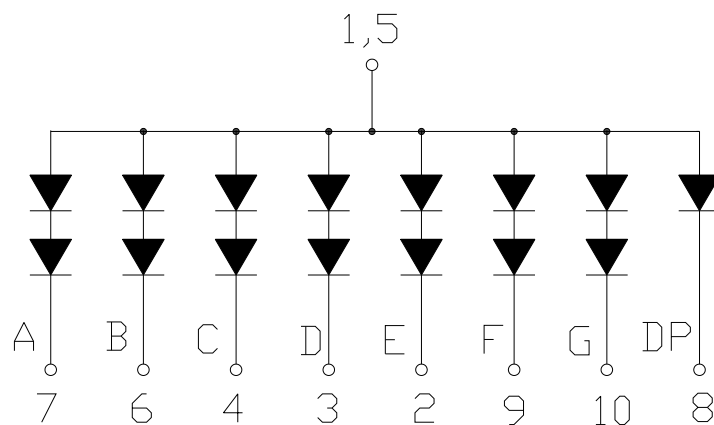
5. Outline Dimension:



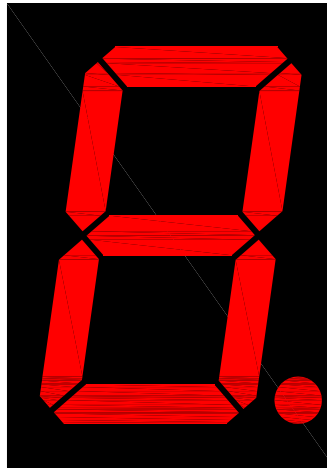
Unmarked tolerance : ± 0.25

Unit : mm

6. Circuit Diagram:



7. According:



8. Note:

●Static: This product is designed based on LED, LED sensitive to static electricity, static electricity and surge will cause the LED characteristics change, such as forward voltage drop, etc., even if serious damage to the product. So, do not directly touch the pins, installation or use, related equipment and machinery should be properly grounded, and must take other measures to prevent static electricity and surge. Use anti-static wrist strap, anti-static mats, anti-static overalls, work boots, gloves, anti-static container, are effective measures to prevent static electricity and surge

●Storage: Note preservation, poor storage conditions will reduce the reflective film and reflective cavity adhesion, recommended storage conditions: temperature $25\text{ }^{\circ}\text{C} \pm 10\text{ }^{\circ}\text{C}$, humidity $65\text{ }^{\circ}\text{C RH} \pm 20\text{ }^{\circ}\text{C RH}$.

●Soldering: Soldering temperature $260\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$, less than 3 seconds welding time and welding power less than 30W, soldering point should be greater than from the product entity 1.6mm.