

# 规格(承认)书

## Specification for approval

※ 方舟 P/N (ARKLED P/N): SR220281/SR210281

※ 客户 P/N (CUSTOMER P/N): \_\_\_\_\_

※ 产品说明 (DESCRIPTION):

1. 0.28 inch (7mm) Digit Height
2. Four Digits Numeric LED Display
3. Ultra Brightness Green

※ 日期 (DATE): 2012-5-22

地址: 江苏省宜兴市张渚镇金张渚工业区宇龙路6号

**FACTORY ADD: NO.6 Yulong Road, ZHANGZHU TOWN, YIXING CITY, JIANGSU PROVINCE, P.R.CHINA**

**Ningbo Branch:**

电话 (TEL): **0086-574-86308393**

E-mial: **ark@arkled.net**

传真 (FAX): **0086-574-86308392**

网址(http) : **www.arkled.net**

0.28 Inch Numeric LED Display

Part No: SR220281, SR210281



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## FEATURES

- High intensity and reliability
- High quality, Low power requirement and low cost
- IC compatible, Easy assembly
- Meet RoHS EU Directive

## DESCRIPTION

- The device of this 0.28 inch numeric LED display is made of 4 elements (AlGaInP) material, designed for viewing distance up to 7 meters.
- It can be used in audio equipment, instruments, numeric read out display and so on.
- Standard appearance color is black or grey face and white segment.

## Selection Guide

Part No. CC <sup>[1]</sup>	Part No. CA <sup>[2]</sup>	Dice	Iv(mcd) <sup>[3]</sup> @20mA	
			Min.	Typ.
SR220281	SR210281	Ultra Bright Green (AlGaInP)	17	50

Note:

1. CC is Common Cathode.
2. CA is Common Anode.
3. Luminous intensity/ luminous Flux: +/-15%.

0.28 Inch Numeric LED Display

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### ABSOLUTE MAXIMUM RATINGS AT Ta=25°C

PARAMETER	SYMBOL	ULTRA-BRIGHT Green	UNIT
Power Dissipation Per Segment	PAD	100	mw
Reverse Voltage Per Segment	VR	5	V
Continuous Forward Current Per Segment	IAF	30	mA
Peak Forward Current Per Segment(Duty-0.1,1KHz)	IPF	200	mA
Operating Temperature Range	TOPr	-20℃ to 80℃	
Storage Temperature Range	Tstg	-30℃ to 85℃	
Lead Soldering Temperature 260℃ at 1.6mm From Body for 3 second			

### ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	TEST CONDITION	Color	TYP	MAX	UNIT
Forward Voltage ,Per Segment	VF	IF=20mA	ULTRA-BRIGHT Green	2.1	2.6	V
Reverse Current , Per Segment	IR	VR=5V	ULTRA-BRIGHT Green		50	μA
Peak Emission Wavelength	λp	IF=20mA	ULTRA-BRIGHT Green	565		nm

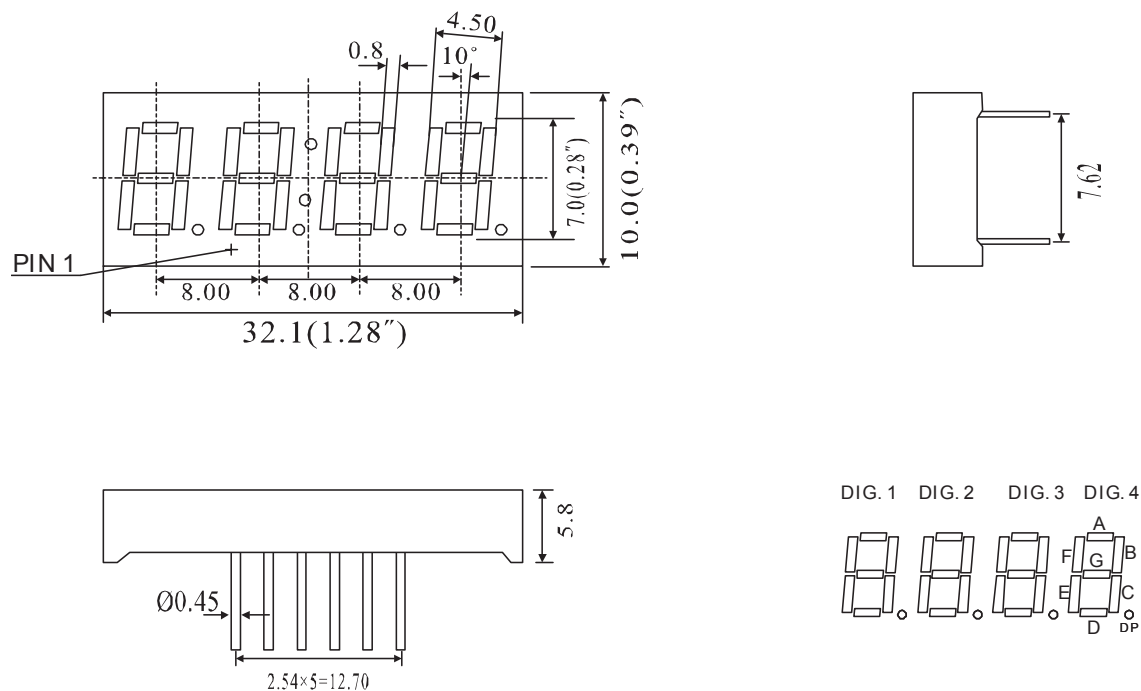
# 0.28 Inch Numeric LED Display

Part No: SR220281, SR210281

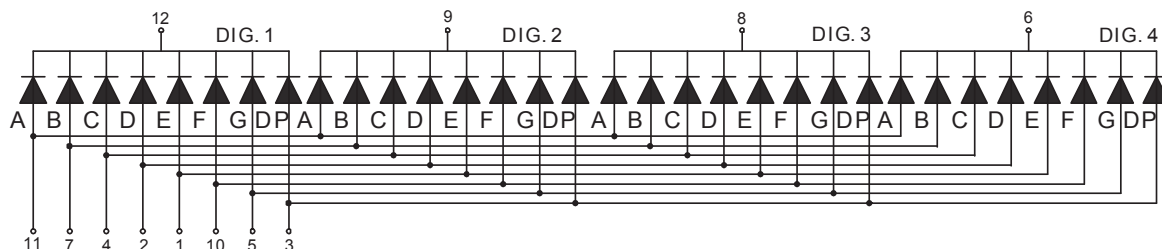


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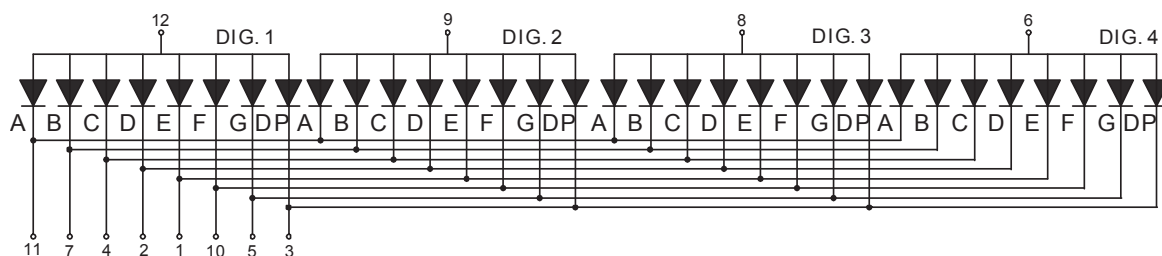
## Package Dimensions and Internal Circuit Diagram



### SR20281



### SR10281

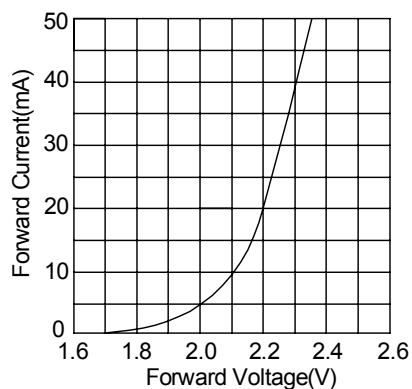


- NOTES: 1. all dimensions are in millimeters. (Inches)  
2. Tolerance is  $\pm 0.25(0.010)$  unless otherwise specified.

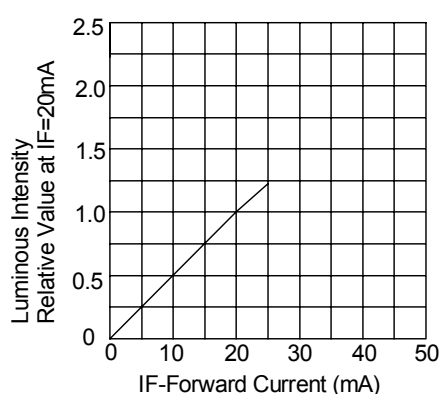


## Typical Electrical-Optical Characteristics Curves

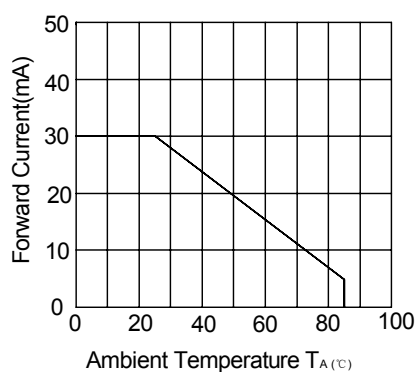
Forward Current Vs Forward Voltage



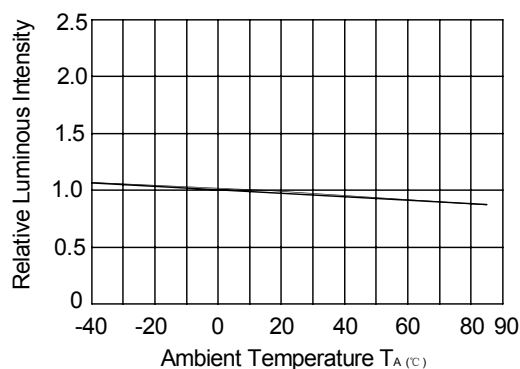
Relative Intensity Vs Forward Current



Forward Current Vs Enviromental Temp



Relative Intensity Vs Enviromental Temp



Relative Intensity Vs Wavelength

