

# SPECIFICATION

|                    |  |
|--------------------|--|
| <b>CUSTOMER</b>    |  |
| <b>PRODUCT P/N</b> | <b>UDDD-T020561-AGRGW</b>  |
| <b>TYPE</b>        | <b>0.56" Two Digits Display<br/>Green Common Anode<br/>Grey Background/White Segment</b> |

## ■ RECORD OF REVISION

| <b>Version</b> | <b>Date</b> | <b>Page</b> | <b>Description</b>                                    |
|----------------|-------------|-------------|---|
| 0.0            | 2012/12/26  | All         | New document  |
| 0.1            | 2015/15/24  | 2           | Soldering attention, Luminous Intensity unit changing |
|                |             |             |   |
|                |             |             |   |
|                |             |             |   |
|                |             |             |   |
|                |             |             |   |
|                |             |             |   |

■ FEATURES

Connecting Form: Common anode  
 Lighting Color: Green

■ ELECTRICAL OPTICAL CHARACTERISTICS (Ta = 25°C):

| Parameter                  | Symbol          | Min | Type | Max | Unt | Test Condition |
|----------------------------|-----------------|-----|------|-----|-----|----------------|
| Luminous Intensity         | IV              | 30  |      | 40  | mcd | IF=20mA        |
| Peak Wavelength            | $\lambda_p$     |     |      |     | nm  | IF=20mA        |
| Wavelength                 | $\lambda_d$     | 566 |      | 573 | nm  | IF=20mA        |
| Spectrum Line Half-Width   | $\Delta\lambda$ |     |      |     | nm  | IF=20mA        |
| Forward Voltage            | Vf              | 1.8 | 2.0  | 2.4 | V   | IF=20mA        |
| Reverse Current            | IR              |     |      | 50  | uA  | VR=5V          |
| Suggestion Forward Current | IF              | 3   | 5-10 | 20  | mA  | IF=20mA        |

■ ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

| Parameter                                      | Rating  | Unit          |
|--|---------|---------------|
| Reverse Voltage                                | 5       | V             |
| Power Dissipation Per Dice                     | 50      | mW/chip       |
| Operating Temperature Ranger                   | -25~+85 | °C            |
| Storage Humidity                               | 45%~85% | RH            |
| Storage Temperature Ranger                     | -25~+85 | °C            |
| Soldering Temperature                          | 260±5°C | For 3 Seconds |
| Peak IF(ma) (1/10Duty Cycle 0.1ms Pulse Width) | 80      | mA/chip       |
| Continuous Forward Current                     | 20      | mA/chip       |

■ SUGGESTED WAY OF USAGE

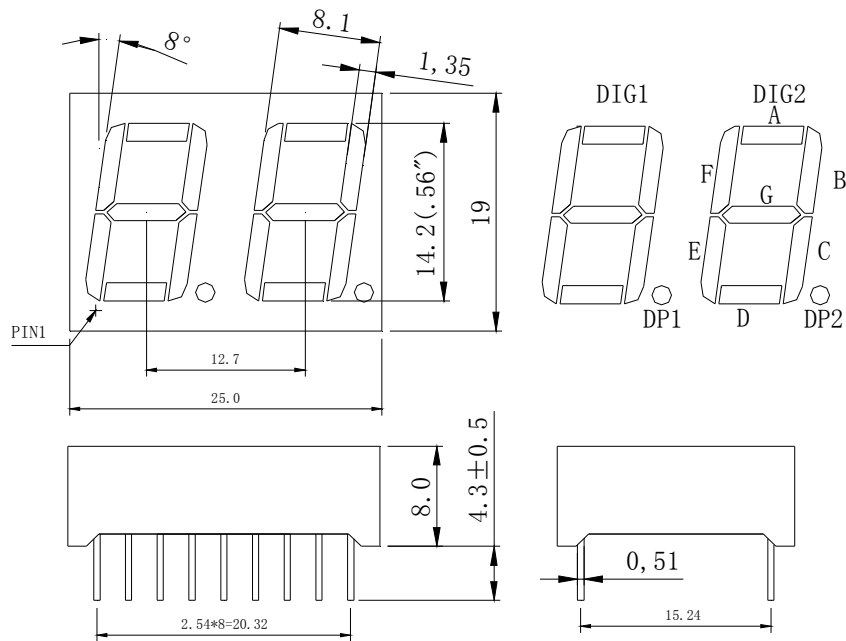
When using LED it's circuit adopts current limiting with DC current about 5~10mA, not more than 20mA at maximum

**CAUTION! THIS DEVICE IS NOT COMPATIBLE WITH REFLOW SOLDERING METHODS.**

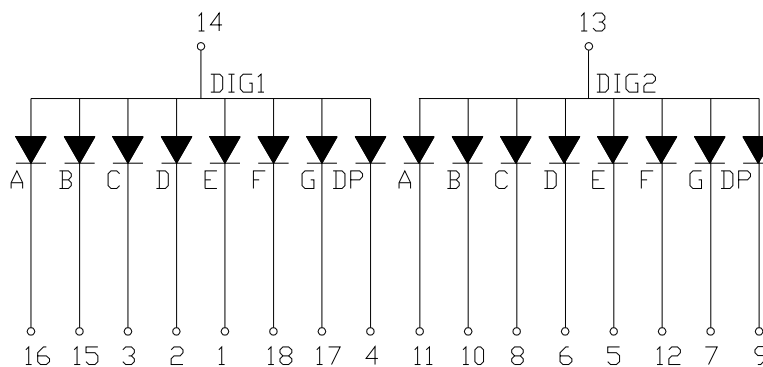
FRONT VIEW



PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM

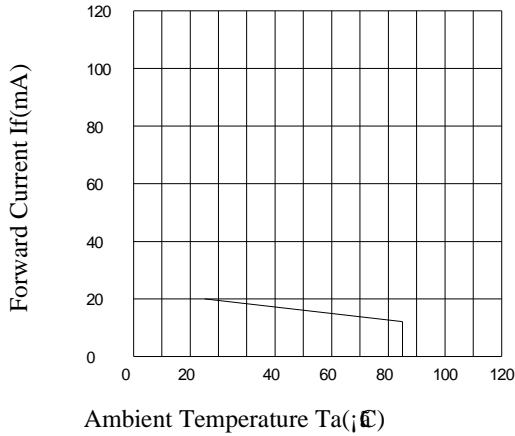


Notes:

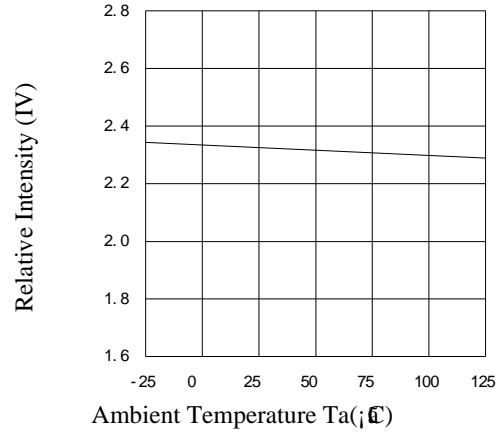
- a. All dimensions are in millimeters (inches)
- b. Tolerance are ±0.25mm(0.01") unless otherwise noted

**■ TYPICAL OPTICAL/ELECTRICAL CHARACTERISTICS CURVES**  
**(Ta=25°C Unless Otherwise Noted)**

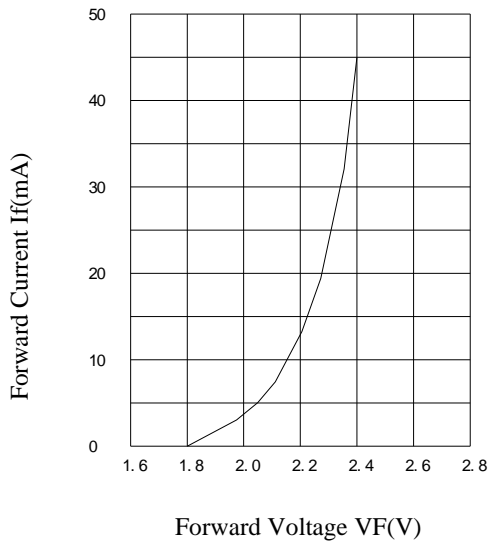
Forward Current VS. Ambient Temperature



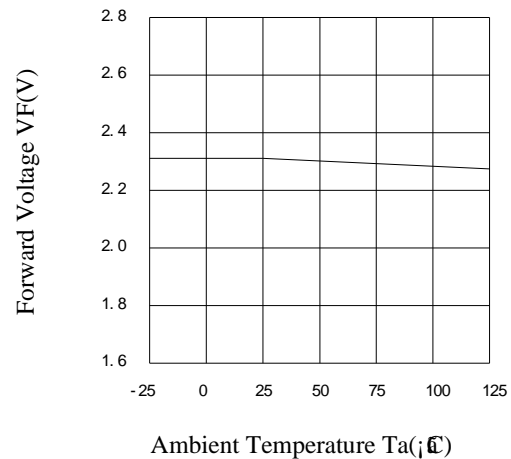
Relative Intensity VS. Ambient Temperature



Forward Current VS. Forward Voltage



Forward Voltage VS. Ambient Temperature



Luminous Spectrum (Ta=25°C)  
RADIANCE

SPECTRAL

