

LED Display

Product Data Sheet

IE-2G-305633

Spec No.:

Effective Date: Oct 24, 2013

FEATURES

0.56 inch (14.20mm) Digit Height
Low Power Requirement
High Brightness and High Contrast
Excellent Characters Appearance
IC Compatible , Easy Assembly
RoHS Compliant

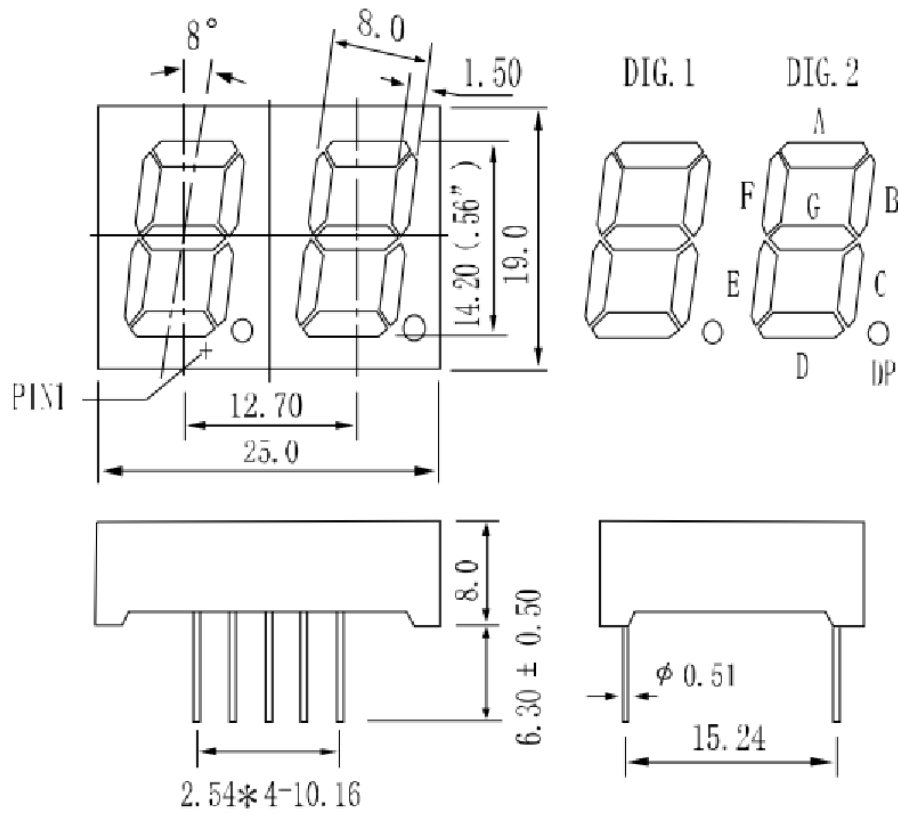
DESCRIPTION

This is a 0.56 inch (14.20mm) digit height dual digit seven segment LED display. This device utilizes yellow green LED chips, which are made from AlGaInP, and has a black face and white segments.

DEVICE

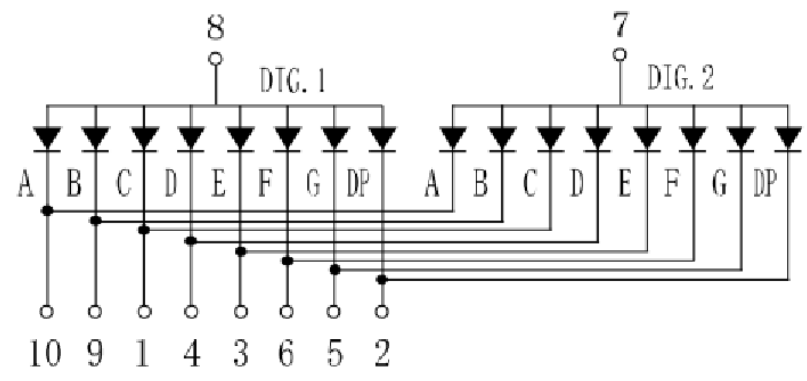
| Yellow Green | Description |
|--------------------|-------------------------------------|
| IE-2G-305633 | Common Anode, Right Hand Decimal |
| Total 16 LED Chips | |

PACKAGE DIMENSIONS



NOTES: All dimensions are in millimeters (inches). Tolerance is ± 0.25 (0.010") unless otherwise specified.

INTERNAL CIRCUIT DIAGRAM



PIN CONNECTION

| PIN NO. | CONNECTION |
|----------------|-------------------|
| 1 | CATHODE C |
| 2 | CATHODE DP |
| 3 | CATHODE E |
| 4 | CATHODE D |
| 5 | CATHODE G |
| 6 | CATHODE F |
| 7 | COMMON ANODE DIG2 |
| 8 | COMMON ANODE DIG1 |
| 9 | CATHODE B |
| 10 | CATHODE A |

ABSOLUTE MAXIMUM RATINGS AT Ta=25°C

| PARAMETER | SYMBOL | AlGaInP Y/G | UNIT |
|--|--------|---------------|------|
| Power Dissipation Per Segment | PAD | 50 | mw |
| Reverse Voltage Per Segment | VR | 5 | V |
| Continuous Forward Current Per Segment | IAF | 20 | mA |
| Peak Forward Current Per Segment(Duty-0.1,1KHz) | IPF | 60 | mA |
| Operating Temperature Range | TOPr | -20°C to 80°C | |
| Storage Temperature Range | Tstg | -30°C to 85°C | |
| Lead Soldering Temperature 260°C at 1.6mm From Body for 3 second | | | |

ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C**AlGaInP Y/G**

| PARAMETER | SYMBOL | TEST CONDITION | MIN | TYP | MAX | UNIT |
|--------------------------------|--------|----------------|-----|-----|-----|------|
| Forward Voltage, Per Segment | VF | IF=20mA | 2 | 2.2 | 2.5 | V |
| Reverse Current, Per Segment | IR | VR=5V | | | 50 | μA |
| Peak Emission Wavelength | λp | IF=20mA | 570 | 571 | 573 | nm |
| Luminous Intensity Per Segment | IV | IF=20mA | 15 | 18 | 20 | mcd |

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES @ TA = 25°C

