# LED Display

## Product Data Sheet

## IE-2R-10391N-G

Spec No.:

Effective Date: Apr 11, 2016

## FEATURES

0.39 inch (10.0mm) Digit Height

Low Power Requirement

High Brightness and High Contrast

Excellent Characters Appearance

IC Compatible , Easy Assembly

RoHS Compliant

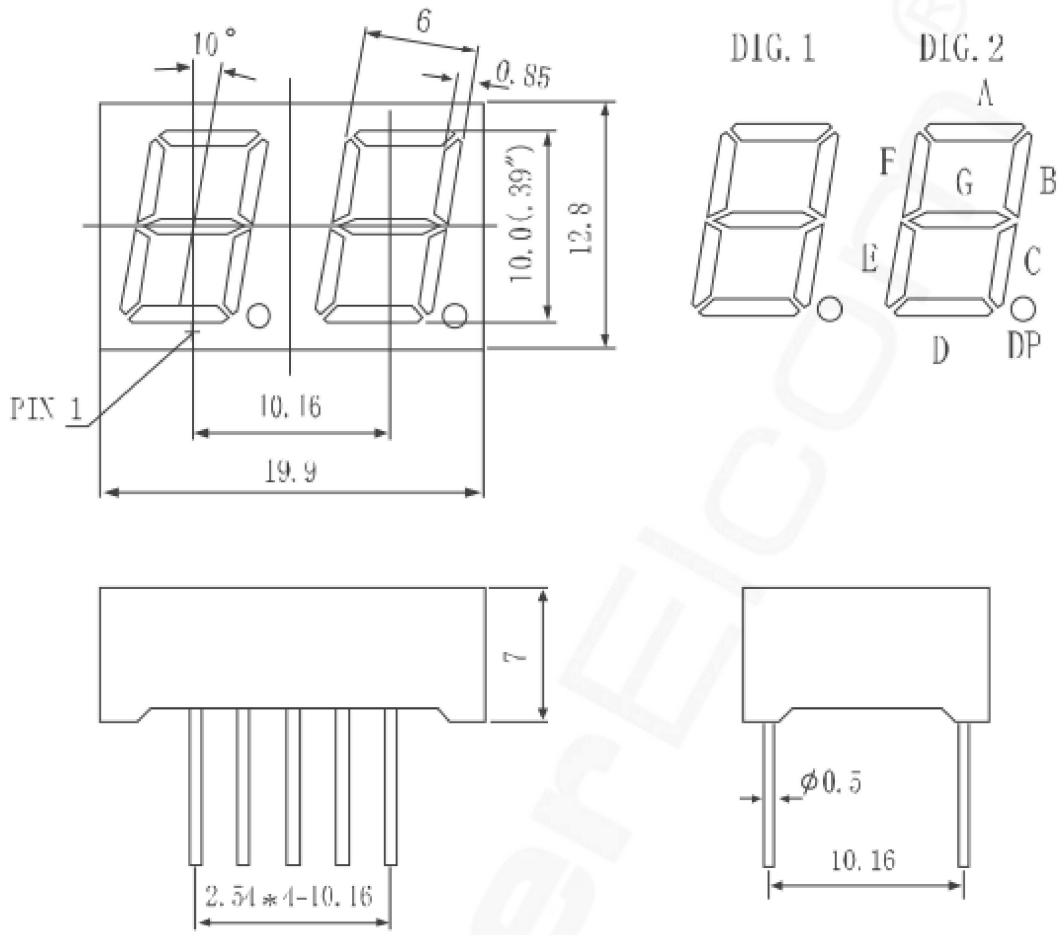
## DESCRIPTION

This is a 0.39 inch (10.0mm) digit height dual digit seven segment LED display. This device utilizes red LED chips, which are made from AlGaInP, and has a gray face and white segments.

## DEVICE

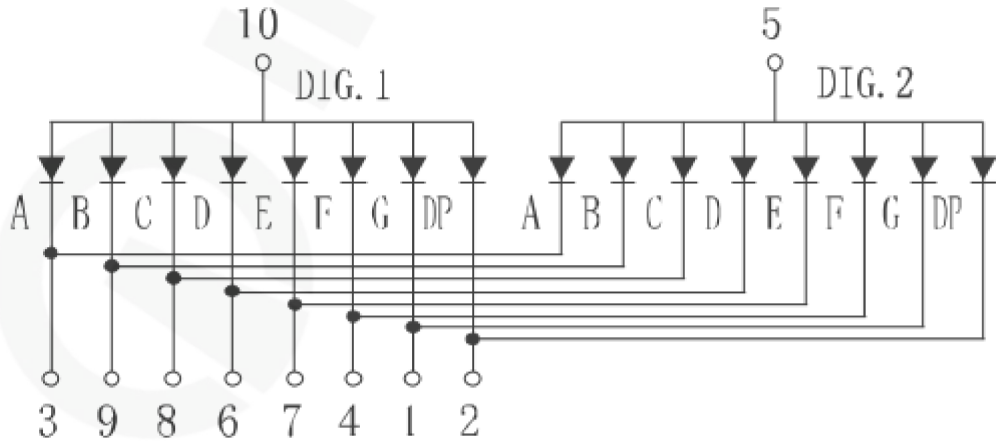
| Red | Description |
|---|---|
| IE-2R-10391N-G | Common Anode, Right Hand Decimal |
| Total 16 LED Chips | |

## 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 G |
| 2 | CATHODE DP |
| 3 | CATHODE A |
| 4 | CATHODE F |
| 5 | COMMON ANODE DIG2 |
| 6 | CATHODE D |
| 7 | CATHODE E |
| 8 | CATHODE C |
| 9 | CATHODE B |
| 10 | COMMON ANODE DIG1 |

## ABSOLUTE MAXIMUM RATINGS AT Ta=25℃

| PARAMETER | SYMBOL | AlGaInP RED | 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℃ 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℃

**AlGaInP RED N 2)**

| PARAMETER | SYMBOL | TEST CONDITION | MIN | TYP | MAX | UNIT |
|---|---|---|---|---|---|---|
| Forward Voltage, Per Segment | VF | IF=20mA | 1.9 | 2.0 | 2.5 | V |
| Reverse Current, Per Segment | IR | VR=5V | | | 50 | μA |
| Peak Emission Wavelength | λp | IF=20mA | 630 | 633 | 637 | nm |
| Luminous Intensity Per Segment | IV | IF=20mA | 23 | 25 | 28 | mcd |

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

### N Chip