

# **LED Display**

## **Product Data Sheet**

### **IE-1R-10391N-G/HM**

Spec No.:

Effective Date: Dec 23, 2014

## FEATURES

0.39 inch (9.9mm) Digit Height  
Low Power Requirement  
High Brightness and High Contrast  
Excellent Characters Appearance  
IC Compatible , Easy Assembly  
RoHS Compliant

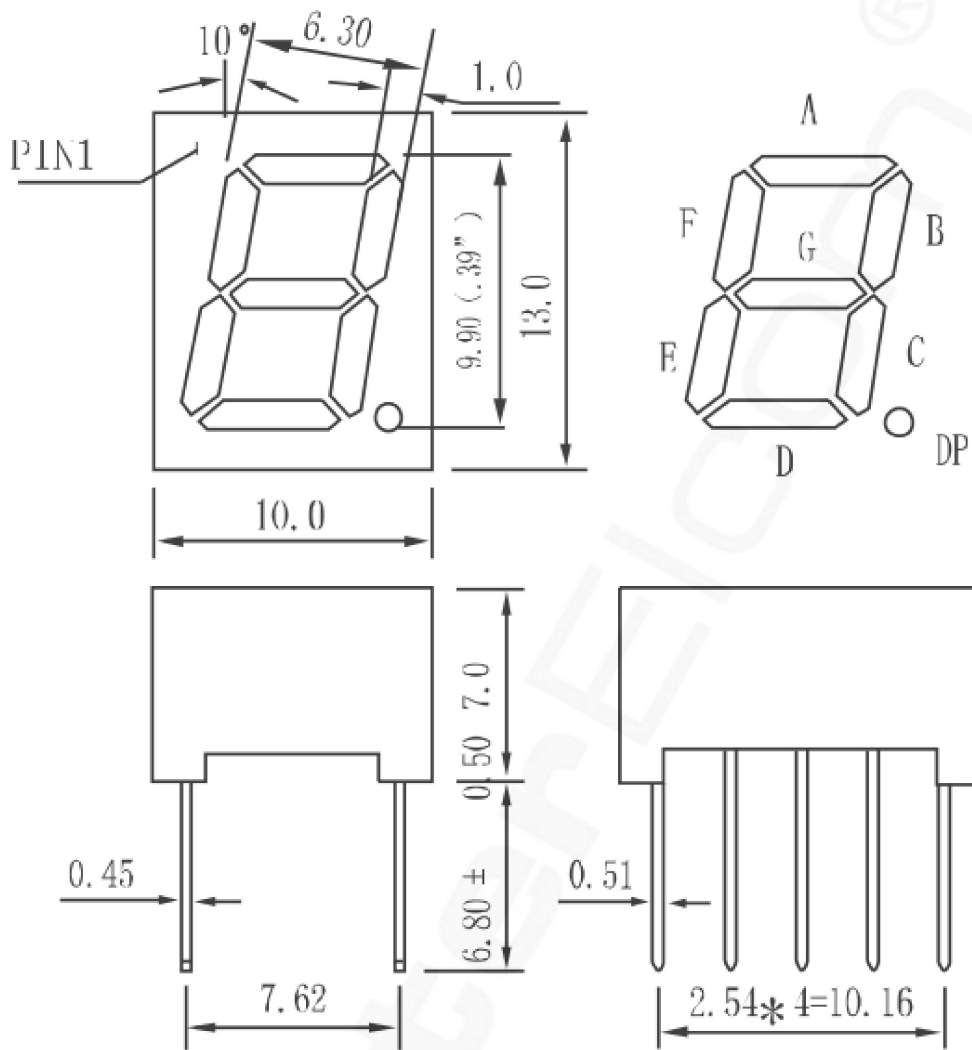
## DESCRIPTION

This is a 0.39 inch (9.9mm) digit height single 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

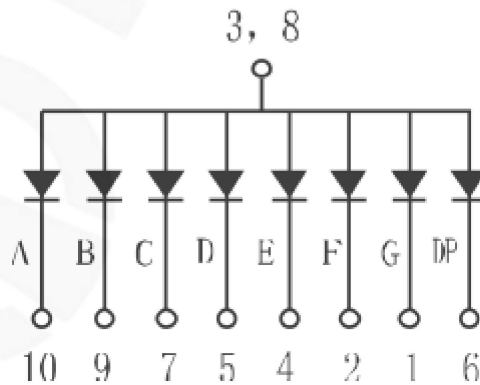
Red	Description
IE-1R-10391N-G	Common Anode, Right Hand Decimal
Total 8 LED Chips	

### PACKAGE DIMENSIONS



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

### INTERNAL CIRCUIT DIAGRAM



## PIN CONNECTION

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

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

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°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 RED**

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

