

Specification for Approval

P/N (CUSTOMER P/N): IE-1R-14001L3

(DATE): 2015 11 25

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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
- 2000V (HBM)
- ESD 2000V (HBM)

■ **DESCRIPTION:**

- single digits 7 segment LED display
- Common Anode
- Surface Color: Black surface
- White segment
- luminous Color:
 - 1、 Red
 - 2、
 - 3、
 - 4、
 - 5、
- - 1、 AlGaInP
 - 2、
 - 3、
 - 4、
 - 5、

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(Ta: 25°C) ABSOLUTE MAXIMUM RATINGS AT T_a=25°C:

PARAMETER	SYMBOL	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	-35℃ to 105℃	
Storage Temperature Range	Tstg	-35℃ to 105℃	
Lead Soldering Temperature 260℃ at 1.6mm From Body for 3 second 260℃/31.6mm			

(Ta: 25°C) ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C:

PARAMETER	SYMBOL	TEST CONDITION	Color	MIN	TYP	MAX	UNIT
Forward Voltage ,Per Segment	VF	IF=20mA	RED	1.8	2	2.5	V
Reverse Current , Per Segment	IR	VR=5V	RED			50	μA
Dominant wavelength	λD	IF=20mA	RED	620		625	nm
Luminous Intensity Per Segment	IV	IF=20mA	RED	114		120	mcd

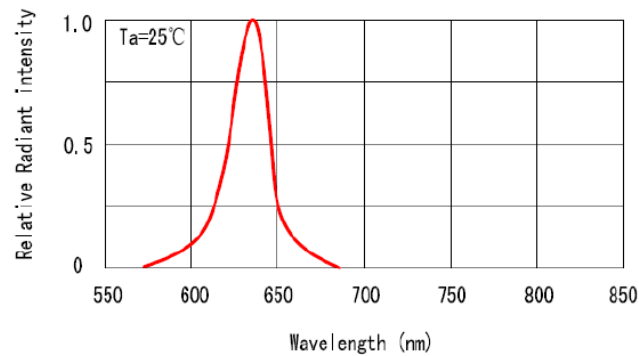
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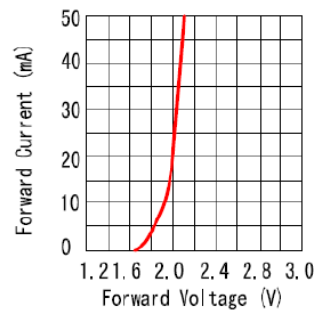
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TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES

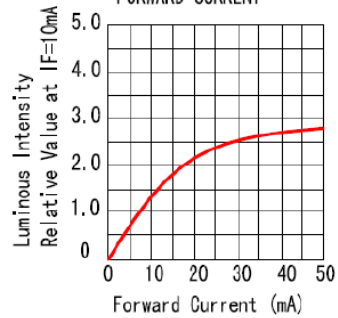
RELATIVE INTENSITY VS. WAVELENGTH



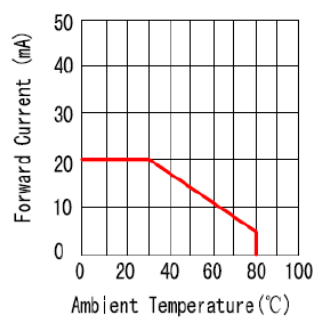
FORWARD CURRENT VS.
FORWARD VOLTAGE



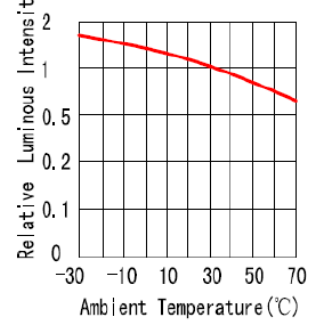
LUMINOUS INTENSITY VS.
FORWARD CURRENT



ALLOWABLE FORWARD CURRENT
AMBIENT TEMPERATURE



LUMINOUS INTENSITY VS.
AMBIENT TEMPERATURE

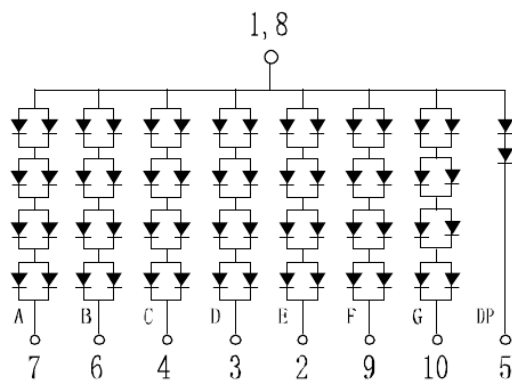
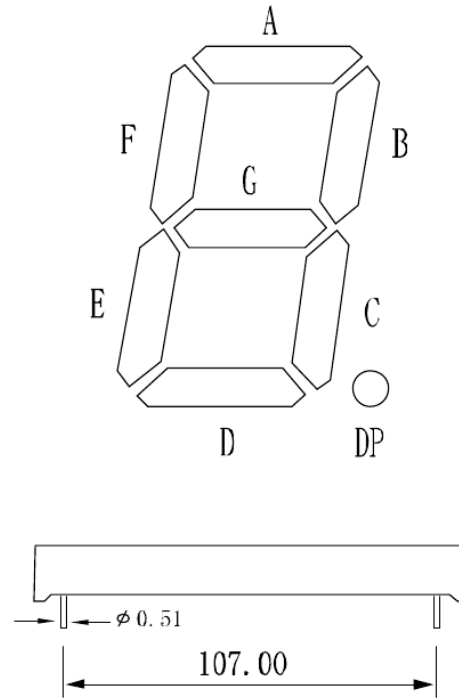
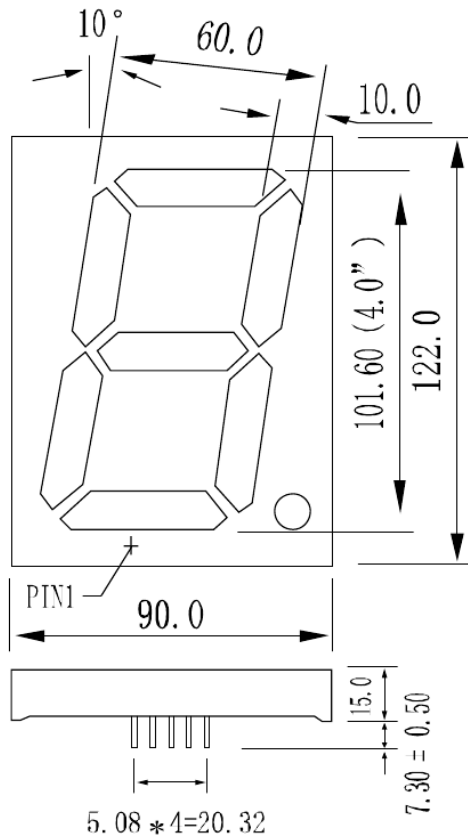


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DIMENTION AND DIAGRAM



NOTES : 1.All dimensions are in millimeters. (Inches)

2. Tolerance is $\pm 0.25(0.010)$ unless otherwise specified.