

Specification for Approval

P/N (CUSTOMER P/N): IE-1R-35001N

(DATE): 2016 08 27

PART NUMBER:

IE-1R-35001N



Page1 / 5

■ **FEATURES:**

- High intensity and reliability
- High quality, Low power requirement and low cost
- IC compatible, Easy assembly
- Meet RoHS EU Directive
- 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、

PART NUMBER:

IE-1R-35001N



Page2 / 5

■ **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	-20℃ to 70℃	
Storage Temperature Range	Tstg	-20℃ to 80℃	
Lead Soldering Temperature 260℃ at 1.6mm From Body for 3 second			

■ **ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C:**

PARAMETER	SYMBOL	TEST CONDITION	Color	MIN	TYP	MAX	UNIT
Forward Voltage ,Per Segment	VF	IF=20mA	RED	18	20	25	V
				5.4	6	7.5	
Reverse Current , Per Segment	IR	VR=5V	RED			50	μA
Dominant wavelength	λD	IF=20mA	RED	630	633	637	nm
Luminous Intensity Per Segment	IV	IF=20mA	RED	30		37	mcd

PART NUMBER:

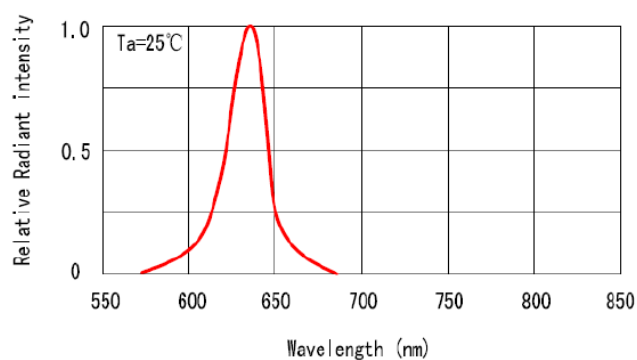
IE-1R-35001N



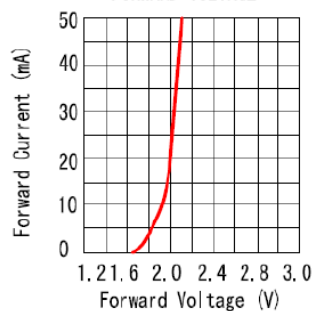
Page3 / 5

■ TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES

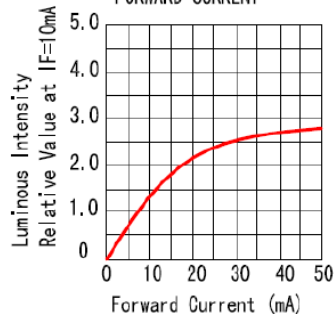
RELATIVE INTENSITY VS. WAVELENGTH



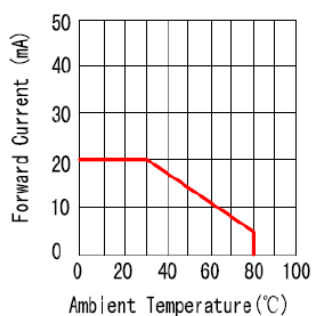
FORWARD CURRENT VS. FORWARD VOLTAGE



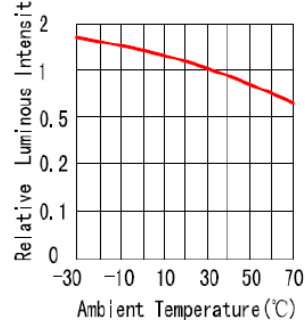
LUMINOUS INTENSITY VS. FORWARD CURRENT



ALLOWABLE FORWARD CURRENT AMBIENT TEMPERATURE



LUMINOUS INTENSITY VS. AMBIENT TEMPERATURE



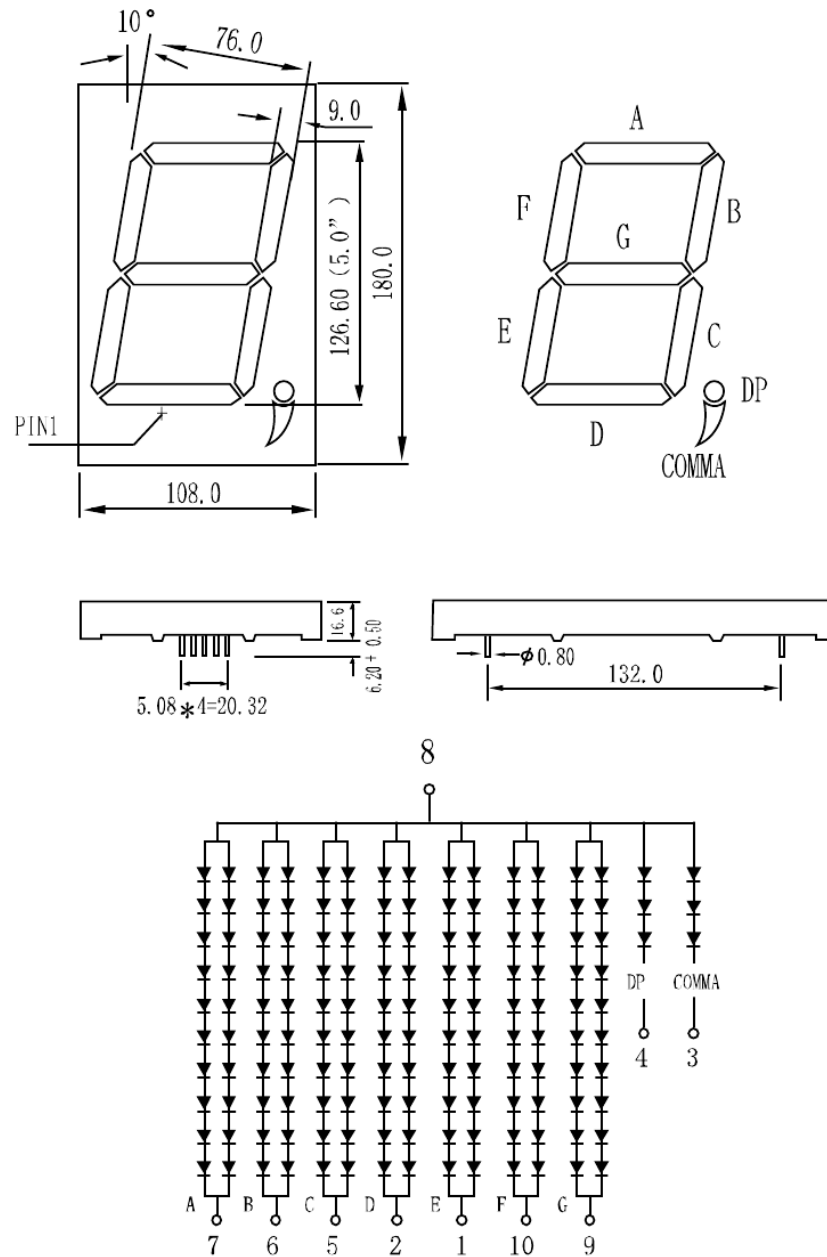
PART NUMBER:

IE-1R-35001N



Page 4 / 5

■ DIMENTION AND DIAGRAM



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

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