Specification for Approval

P/N（CUSTOMER P/N）：IE-57O-112U

（DATE）：2016 05 13

PART NUMBER:

IE-57O-112U

■ 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:

- Dot matrix LED Display
- Common Anode
- Surface Color: Black surface
- White segment
- luminous Color:

1、 Amber

2、

3、

4、

5、

●

1、AlGaInP

2、

3、

4、

5、

■ （Ta：25℃）**ABSOLUTE MAXIMUM RATINGS AT T_a=25℃：**

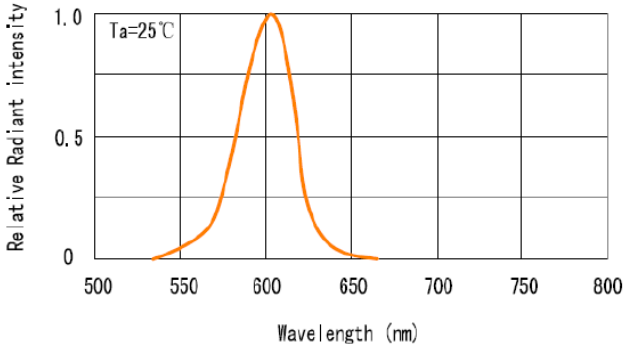
PARAMETER	SYMBOL	ORANGE	UNIT
Power Dissipation Per Segment	PAD	50	mw
Reverse Voltage Per Segment	VR	5	V
Continuous Forward Current Per Segment	IAF	20	mA
Peak Forward Current Per Segment(Duty-0.1,1KHz)	IPF	60	mA
Operating Temperature Range	TOPr	-35℃ to 105℃	
Storage Temperature Range	Tstg	-35℃ to 105℃	
Lead Soldering Temperature 260℃ at 1.6mm From Body for 3 second			

■ （Ta：25℃）**ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25℃：**

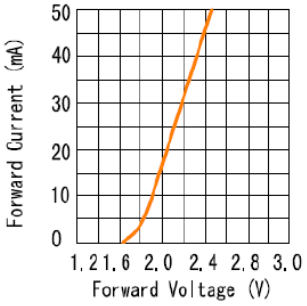
PARAMETER	SYMBOL	TEST CONDITION	Color	MIN	TYP	MAX	UNIT
Forward Voltage ,Per Segment	VF	IF=20mA	ORANGE	1.9	2	2.5	V
Reverse Current , Per Segment	IR	VR=5V	ORANGE			50	μA
Peak Emission Wavelength	λp	IF=20mA	ORANGE	600	603	606	nm
Luminous Intensity Per Segment	IV	IF=20mA	ORANGE	100	120	140	mcd

■ TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES

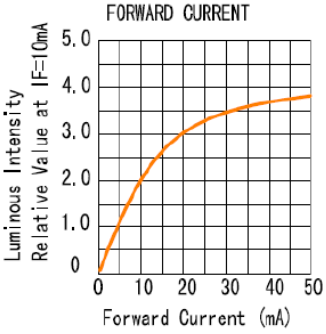
RELATIVE INTENSITY VS. WAVELENGTH



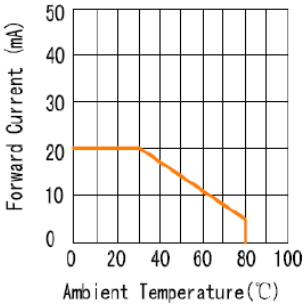
FORWARD CURRENT VS. FORWARD VOLTAGE



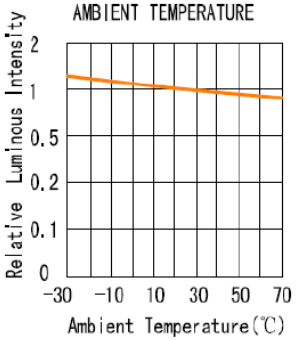
LUMINOUS INTENSITY VS. FORWARD CURRENT



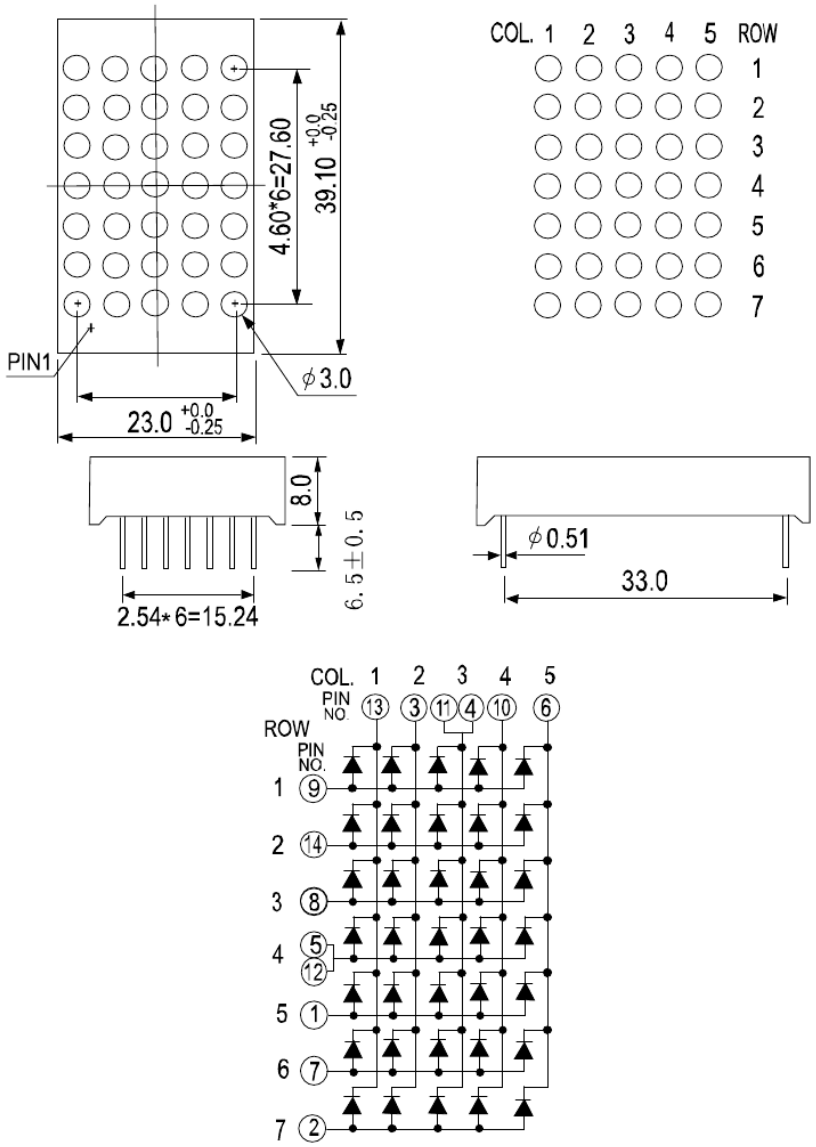
ALLOWABLE FORWARD CURRENT AMBIENT TEMPERATURE



LUMINOUS INTENSITY VS. AMBIENT TEMPERATURE



DIMENTION AND DIAGRAM



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

2. Tolerance is ±0.25(0.010") unless otherwise specified.