LED Display

Product Data Sheet

IE-58Y-223Y

Spec No.:

Effective Date: Dec 14, 2015

FEATURES

2.3 inch Matrix Height

Low Power Requirement

High Brightness and High Contrast

Excellent Characters Appearance

IC Compatible , Easy Assembly

RoHS Compliant

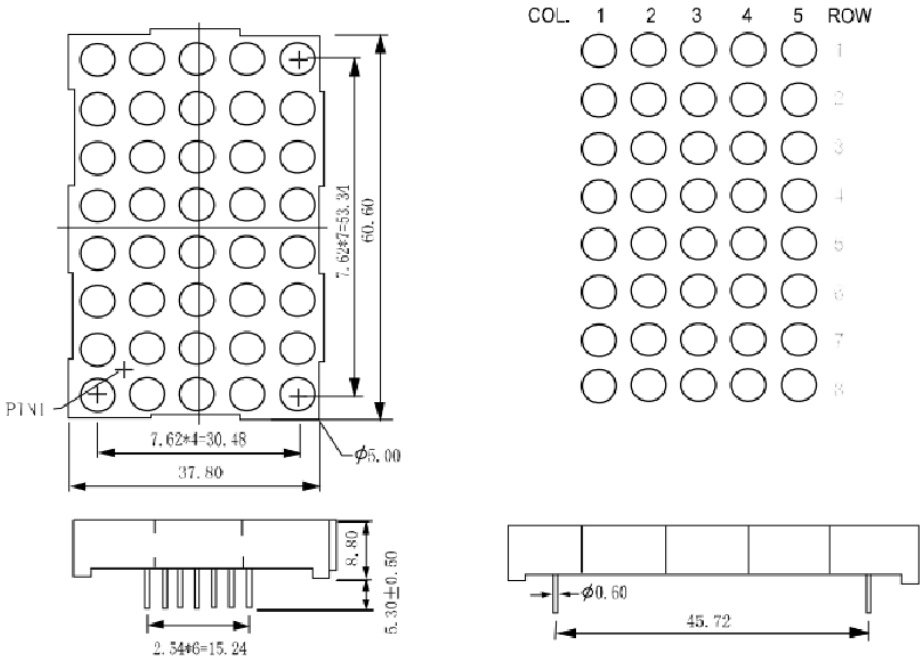
DESCRIPTION

This is a 2.3 inch matrix height 5×8 matrix LED display. This device utilizes yellow LED chips, which are made from AlGaInP, and has a black face and white dot color.

DEVICE

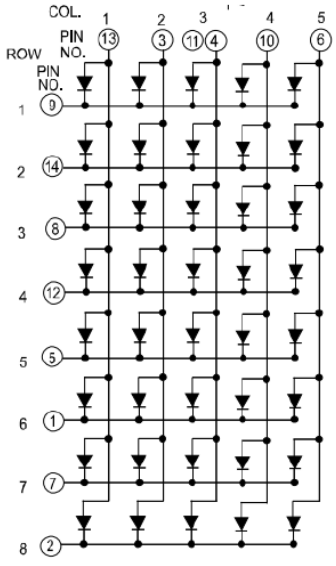
Yellow	Description
IE-58Y-223Y	Cathode Row, Anode Column
TOTAL 40 LED CHIPS	

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 Row 6
2	Cathode Row 8
3	Anode Column 2
4 11	Anode Column 3
5	Cathode Row 5
6	Anode Column 5
7	Cathode Row 7
8	Cathode Row 3
9	Cathode Row 1
10	Anode Column 4
12	Cathode Row 4
13	Anode Column 1
14	Cathode Row 2

ABSOLUTE MAXIMUM RATINGS AT Ta=25℃

PARAMETER	SYMBOL	AlGaInP YELLOW	UNIT
Power Dissipation Per Segment	PAD	60	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	80	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 YELLOW

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Forward Voltage, Per Segment	VF	IF=20mA	1.9	2.1	2.5	V
Reverse Current, Per Segment	IR	VR=5V			50	μA
Peak Emission Wavelength	λp	IF=20mA	585	588	592	nm
Luminous Intensity Per Segment	IV	IF=10mA	35	40	50	mcd
		IF=20mA	70	80	100	

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