

Ningbo Junsheng Electronics Co.,Ltd.

2.30 "(5.00mm)8x8 RGB dot matrix Display

Features:

- *Ultra dot intensity
- *Wide viewing angle
- *Full colors
- *Black face White segment
- *RoHS compliant

Available option:

- *Alternative face and segment color
- *Cropped terminal pins
- *Available emitting color
- *Low current version

Electro/Optical Characteristics If=20mA Ta=25 C

Part Number Row Cathode Column Anode	Part Number Row Anode Column Cathode	Emitting Color	Peak Wavelength	Forward Voltage V _{Dot}		Luminous Intensity I _v /Dot	
				Typ.	Max.	Min.	Typ.
	JSD-23881BRGB-11	AlGaInP/GaAs Ultra Red	625	2.00	2.50	80.0mcd	110.0mcd
		InGaN/SiC Pure Green	520	3.50	4.00	150.0mcd	200.0mcd
		InGaN/SiC Ultra Blue	470	3.50	4.00	40.0 mcd	100.0mcd
Units			nm	V			

Maximum Ratings Ta=25 C (Derate above 25 C)

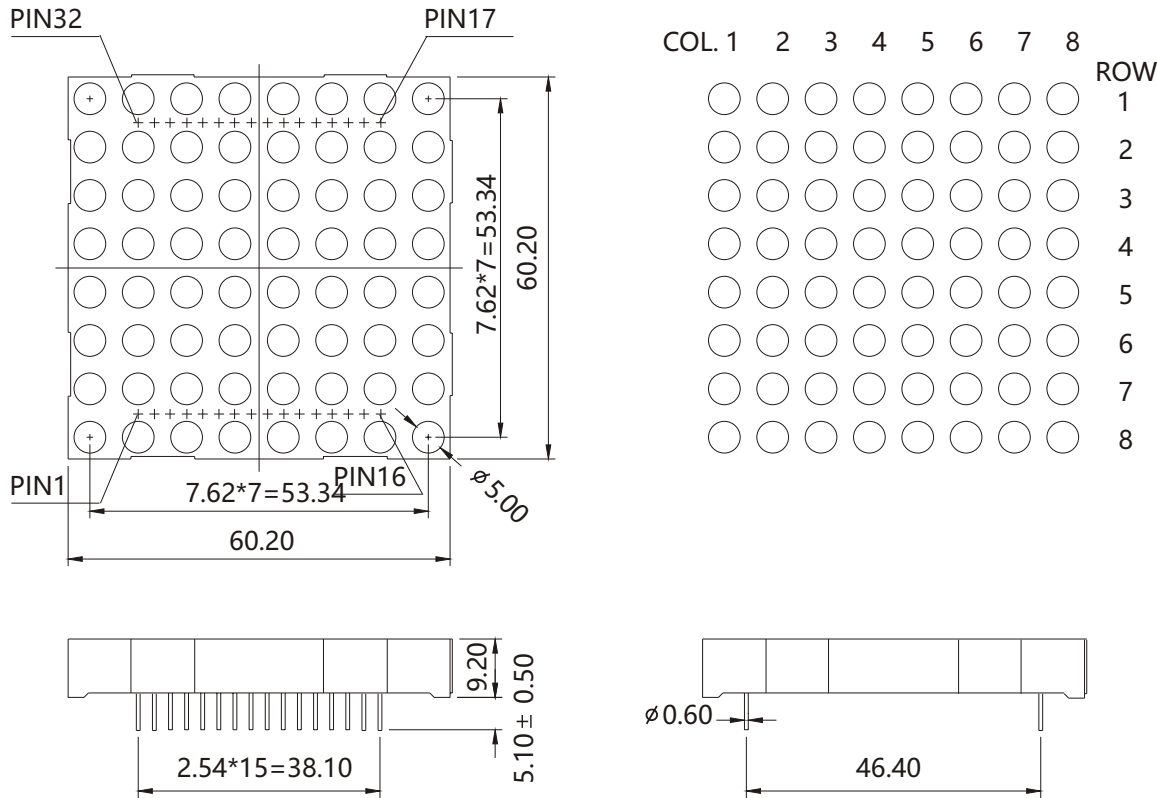
Characteristic	Test Condition	Symbol	UE	PG	UB				Units
Pulse Forward Current Per Dot	1/10 duty cycle 0.1ms Pulse width	I _{FP}	100	100	100				mA
DC Forward Current Per Dot		I _F	30	30	30				mA
Reverse Current Per Dot	V _R =5V	I _R	10	10	10				μA
Power Dissipation		P _D	65*64	110*64	120*64				mW
Operating Temperature		T _{OPR}	-40 to +80						°C
Storage Temperature		T _{TSG}	-40 to +85						°C
Lead soldering temperature	1.60mm from body maximum 3 seconds		260						°C

Checked	Becky Sun	Approved	Jason Lou	Date	Aug/14/2013	PAGE 1 / 2
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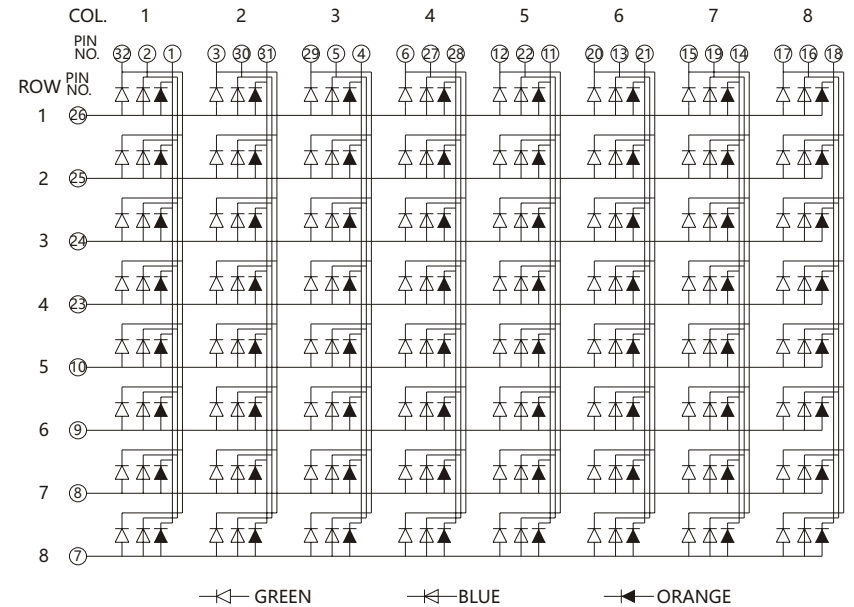
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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM

Row Anode
Column Cathode
JSD-23881BRGB



Tolerance ±0.25mm unless stated

Checked

Becky Sun

Approved

Jason Lou

Date

Aug/14/2013

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