

## 2.00" (50.72mm) $\Phi$ 5.00mm 5\*7 Single Color Dot Matrix Displays

### Features:

- \*High segment intensity
- \*Wide viewing angle
- \*Range of colours
- \*Black face White segment
- \*Rohs compliant

### Available option:

- \*Alternative face and segment colour
- \*Alternative font
- \*Cropped terminal pins
- \*Available emitting colour
- \*Low current version

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

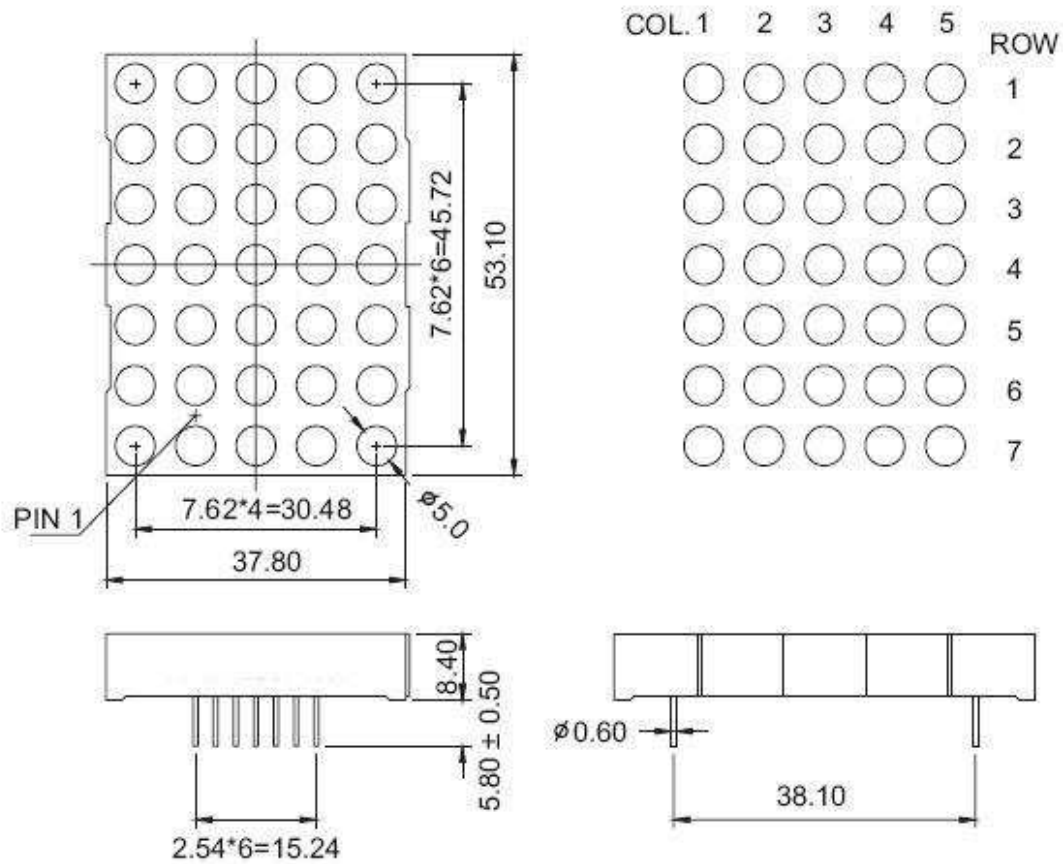
Part Number Row Cathode Column Anode	Part Number Row Anode Column Cathode	Emitting Colors	Peak Wavelength	Forward Voltage Vf		Luminous Intensity Iv	
				Typical	Max.	Min.	Typical
LM-57HR20-C	LM-57HR20-CC	GaAlAs/GaAs Hi-Red	660	1.85	2.20	280.0	420.0
LM-57G20-C	LM-57G20-CC	GaP/GaP Green	570	2.20	2.50	245.0	385.0
Units			nm	V		mcd	

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

Characteristic	Condition	Symbol	Hi-Red	Green				Units
Pulse Forward Current	0.1 duty cycle 0.1ms Pulse width	I <sub>FP</sub>	150	150				mA
DC Forward Current		I <sub>F</sub>	25	30				mA
Reverse Current	V <sub>R</sub> =5V	I <sub>R</sub>	20	20				μA
Power Dissipation		P <sub>D</sub>	60*35	80*35				mW
Operating Temperature		T <sub>OPR</sub>	-40 to +80					°C
Storage Temperature		T <sub>STG</sub>	-40 to +85					°C
Lead soldering temperature	1.60mm from body maximum 3 seconds		260					°C

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## PACKAGE DIMENSION



Tolerance  $\pm 0.25\text{mm}$  unless stated

## INTERNAL CIRCUIT DIAGRAM

