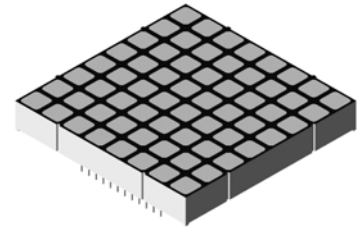


## 2.0" 8x8 Dot Matrix Display


### VM B93ASB

#### Main Features:

- ⊙ Low power consumption
- ⊙ High efficiency chips material
- ⊙ Excellent character appearance
- ⊙ Long life solid state reliability
- ⊙ Dot size with 6mm, black color surface, column Anode connection circuit.
- ⊙ AllnGaP dice technology



#### Electronic Optical Characteristics (at 10mA):

Part Number	Emitted Color	$\lambda$ (nm)		Surface Color	$I_v$ (mcd)		$V_F$ (V)	
		$\lambda_d$	$\lambda_p$		Min.	Typ.	Typ.	Max.
VM B93ASB	Orange 	615	621	Black	11.2	18.0	2.0	2.4

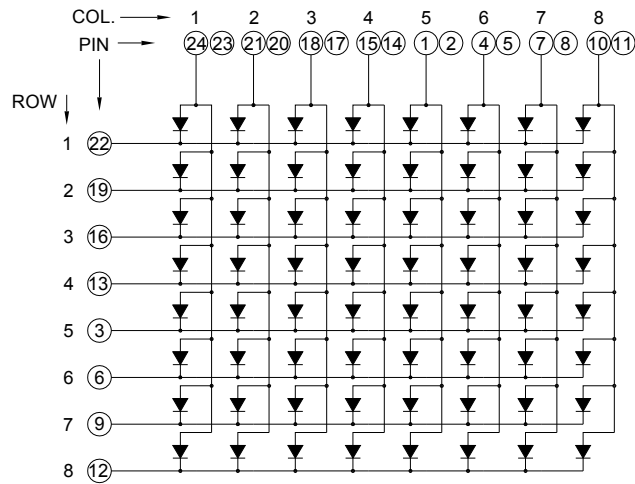
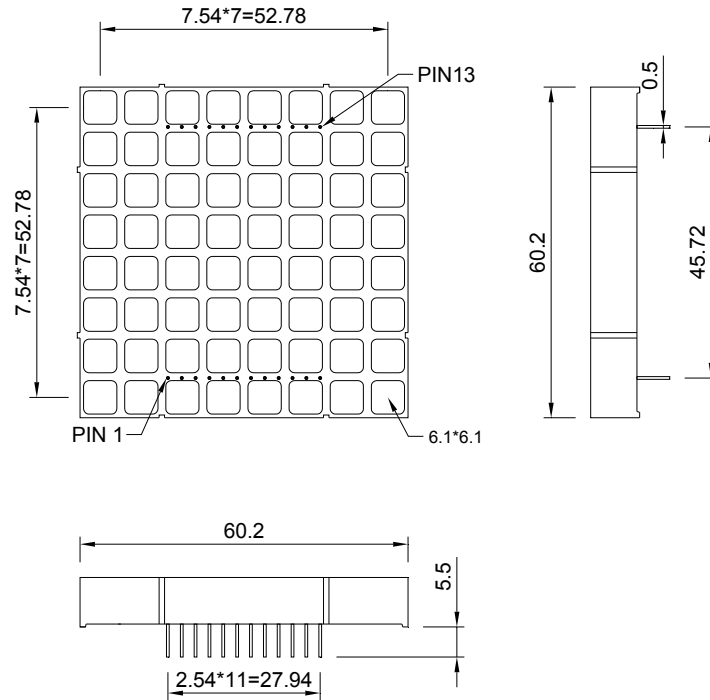
#### Absolute Maximum Ratings (at $T_a=25^\circ\text{C}$ )

$P_D$ (mW)	$I_F$ (mA)	ESD(V)	$T_{sol.}$ ( $^\circ\text{C}$ )	$I_R$ (uA)@VR=5V	$T_{opr}$ ( $^\circ\text{C}$ )	$T_{stg}$ ( $^\circ\text{C}$ )
130	25	2000	260+/-5 5sec	10	-40~+85	-40~+90

Note: Please take note the Absolute Maximum Rating values. Any operation beyond the specified ratings in this table will result degradation of LED life-span and may cause LED to fail.

**Package Dimension:**

unit : mm



NO CONNECT: 23,20,17,14,2,5,8,11

**Notes:**

1. All dimensions are millimeters.
2. Dimensional tolerance is +/- 0.2mm unless otherwise specified.
3. Specifications are subject to change without notice.