

GALAXY

2.30" (58.34mm) Φ 5.00mm 8*8 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
- *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/Dot		Luminous Intensity Iv/Dot	
				Typ.	Max.	Min.	Typ.
HB23881AH	HB23881CH	GaP/GaP Red	700	2.25	2.50	0.40	0.80
HB23881ASR	HB23881CSR	GaAlAs/GaAs SH Hi-Red	660	1.80	2.20	8.00	12.00
HB23881AUSR	HB23881CUSR	GaAlAs/GaAs DH Super Red	660	1.80	2.20	22.00	28.00
HB23881AO	HB23881CO	GaAsP/GaP Orange	632	2.10	2.50	8.00	12.00
HB23881AY	HB23881CY	GaAsP/GaP Yellow	585	2.10	2.50	4.00	7.00
HB23881AG	HB23881CG	GaP/GaP Green	568	2.20	2.50	7.00	11.00
Units			nm	V		mcd	

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

Characteristic	Test Condition	Symbol	H	S	D	E	Y	G	Units
Pulse Forward Current Per Dot	0.1 duty cycle 0.1ms Pulse width	I _{FP}	50	100	100	100	100	100	mA
DC Forward Current Per Dot		I _F	15	25	25	30	30	30	mA
Reverse Current Per Dot	V _r =5V	I _R	10	10	10	10	10	10	μ A
Power Dissipature		P _D	40*64	60*64	60*64	80*64	80*64	80*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

Approved

Date

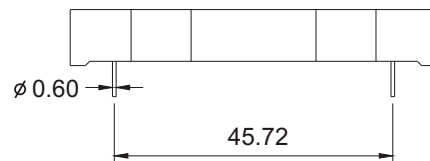
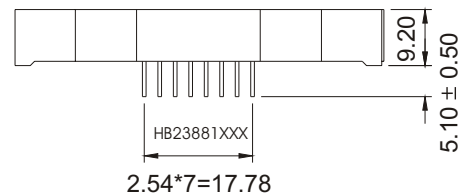
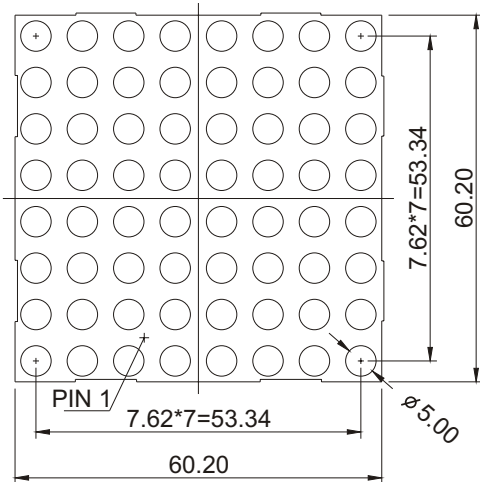
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GALAXY

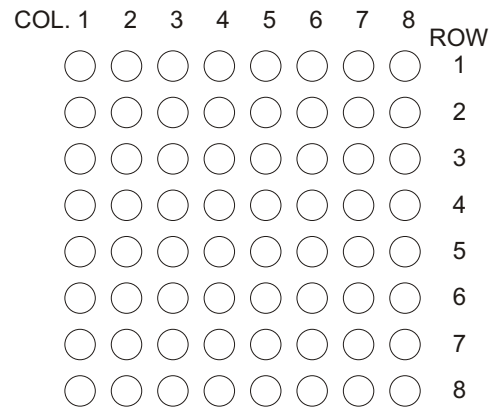
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PACKAGE DIMENSION

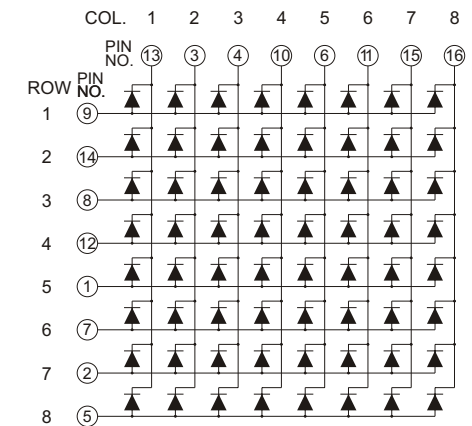
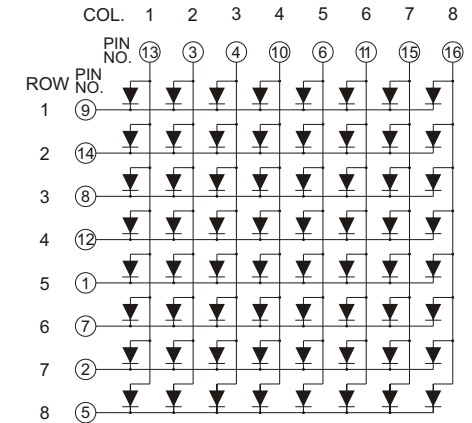


Tolerance ± 0.25 mm unless stated

INTERNAL CIRCUIT DIAGRAM



Row Cathode
 Column Anode
 HB-23881AXX



Row Anode
 Column Cathode
 HB-23881CXX

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