Matriz LED 8x8

Características:

- Tipo: Ánodo Común
- Matriz de LEDs de 8x8
- Diámetro de cada led: 5.00mm
- Color: Rojo
- Tamaño: 60.2mm x 60.2mm

Chip Material: AlGaInP / GaAs Ultra Bright Red LED Chip

ABSOLUTE MAXIMUM RATINGS (Ta = 25℃)

PARAMETER	SYMBOL	MAXIMUM RATING	UNIT
Power Dissipation	P_D	72	mW
Peak Forward Current (1/10 Duty Cycle, 0.1 Ms Pulse Width)	I_{PEAK}	90	mA
DC Forward Current	I_F	30	mA
Reverse Voltage	V_R	5	V
Operating Temperature Range	T_A	-40°C to +85°C	
Storage Temperature Range	T_{STG}	-40°C to +85°C	
Solder temperature 1/16 inch below seating plane for 3 seconds at 260°C			

ELECTRICAL OPTICAL CHARACTER AND CURVES (Ta = 25℃)

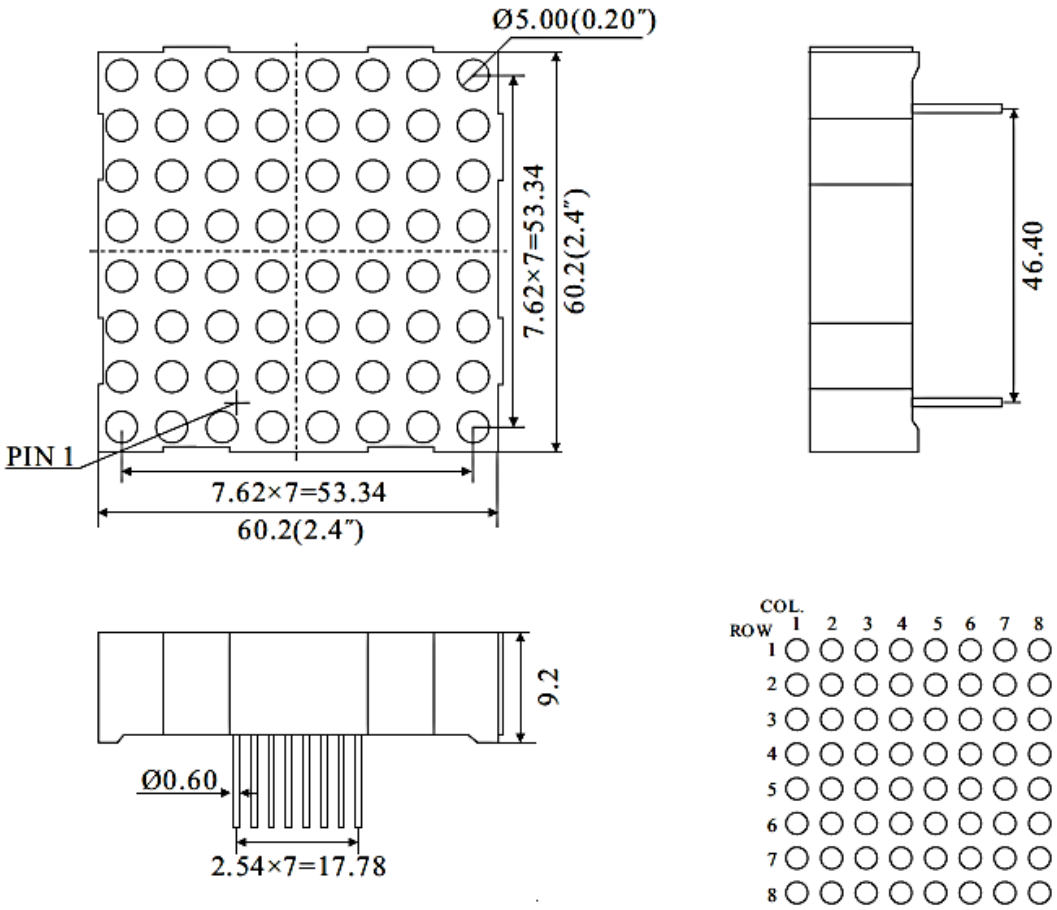
PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	LOCATION	TEST CONDITION
Forward Voltage	V_F	-	2.10	2.40	V	Per Chip	I_F =20mA
Luminous Intensity	Iv	58.0	68.0	74.0	mcd	Per Chip	I_F =20mA
Peak Emission Wavelength	λp	-	645	-	nm	Per Chip	I_F =20mA
Dominant Emission Wavelength	λd	626	631	636	nm	Per Chip	I_F =20mA
Spectral Line Half-Width	Δλ1/2	-	20	-	nm	Per Chip	I_F =20mA
Capacitance	C	-	95	-	pF	Per Chip	VF=0V;f=1MHz
Reverse Current	I_R	-	-	10	uA	Per Chip	VR = 5V

Note:

1. Luminous intensity tolerance is ±10%;

2. Dominant Emission Wavelength tolerance is ±5%

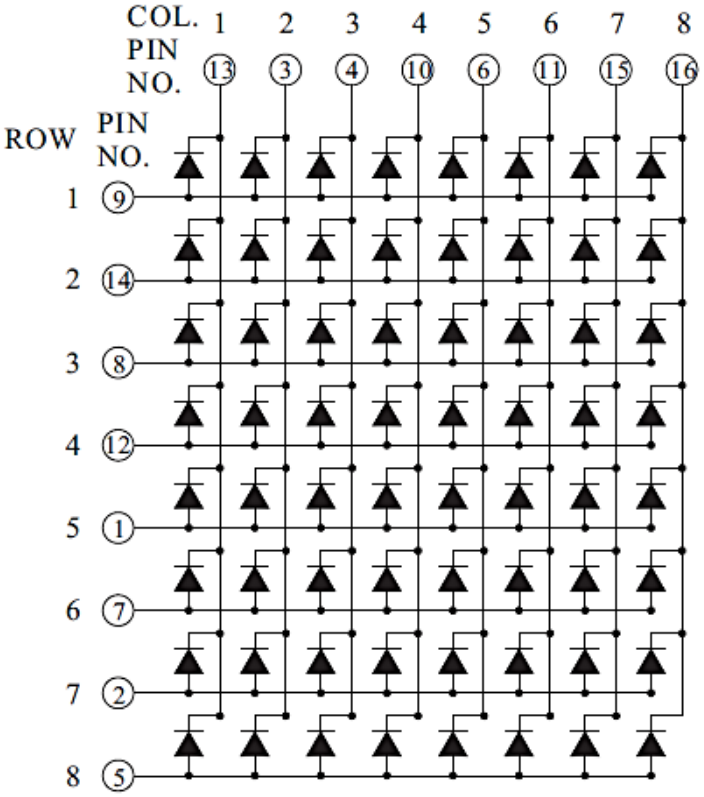
DIMENSION

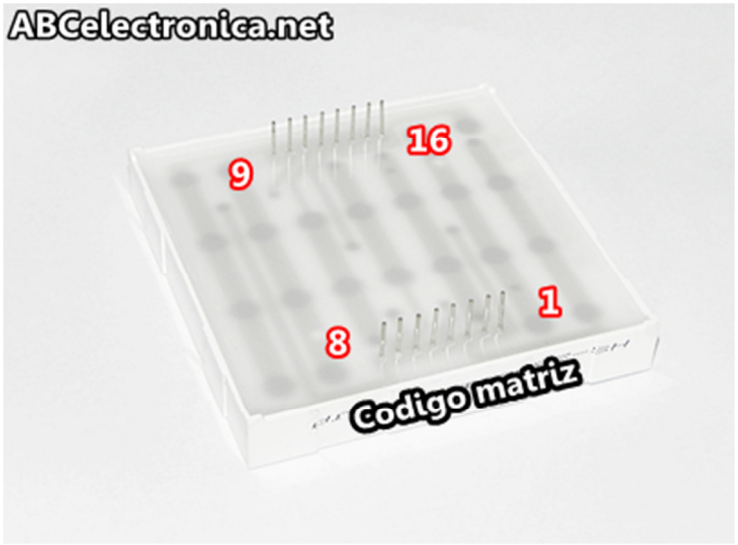


UNIT: mm (Inch) Tolerance: +/- 0.25 (0.01”)

INTERNAL CIRCUIT DIAGRAM

Anodo comun segun filas
(23088B)





INTERNAL CIRCUIT DIAGRAM

Cátodo común según filas
(23088A)