FEMA ELECTRONICS CORPORATION

0.8" 8X8 DOT MATRIX DISPLAY
FEMA P/N: MA(C)15-080SX-AXX

Features

* LOW CURRENT REQUIREMENTS
* EXCELLENT CHARACTER APPERANCE
* HIGH LIGHT OUTPUT
* RELIABLE AND RUGGED
* IC COMPATIBLE

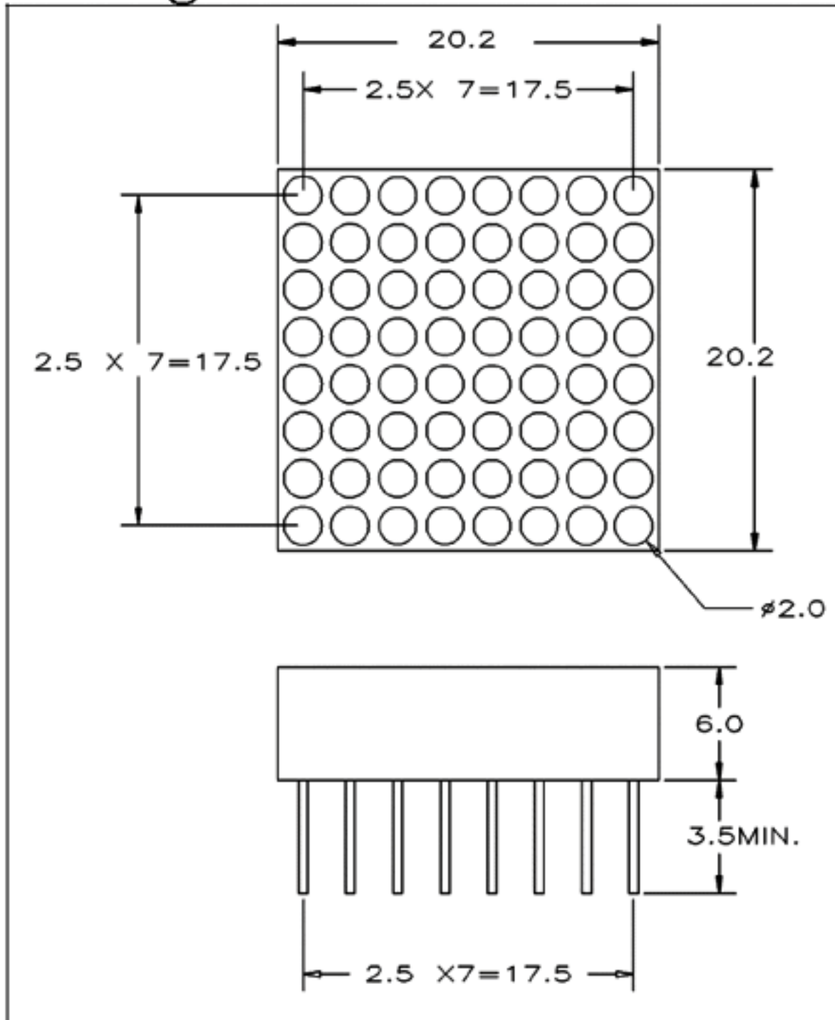
Absolute Maximum Ratings at T_A=25℃

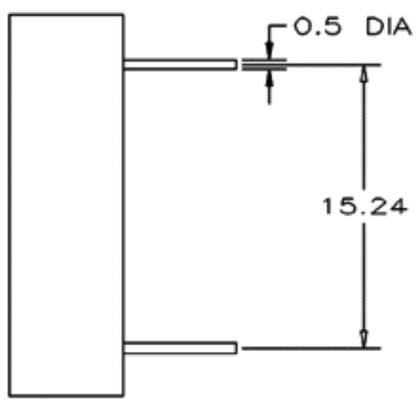
REVERSE VOLTAGE PER LED CHIP (<100μ A)	5.0V
D.C. FORWARD CURRENT PER LED CHIP	30 mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH) PER LED CHIP	100 mA
OPERATING TEMPERATURE RANGE	-25℃ TO +85℃
STORAGE TEMPERATURE RANGE	-25℃ TO +100℃
LEAD SOLDERING TEMP. (1.6mm FROM SEATING PLANE)	260℃ FOR 3 SEC.

Electrical/optical characteristics at T_A=25℃

PART NUMBER		LED CHIP		FACE COLOR		PEAK WAVELENGTH @20mA(nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @10(mcd)	
CATHODE ROW	ANODE ROW	MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT		TYP.	MAX.	MIN.	TYP.
MC15-080SR-AEW	MA15-080SR-AEW	GaP	RED	GREY	WHITE	700	2.1	3.0	0.5	0.8
MC15-080SG-AEW	MA15-080SG-AEW	GaP	GREEN	GREY	WHITE	567	2.1	3.0	1.4	2.9
MC15-080SY-AEW	MA15-080SY-AEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	2.1	3.0	1.7	2.3
MC15-080SO-AEW	MA15-080SO-AEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	2.1	3.0	2.0	3.3
MC15-080SH-ARR	MA15-080SH-ARR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	2.1	3.0	2.0	3.3

Package Dimensions And Pin Function





CATHODE ROW PIN NO.	FUNCTION	ANODE ROW PIN NO.	FUNCTION
1.	CATHODE ROW 5	1.	ANODE ROW 5
2.	CATHODE ROW 7	2.	ANODE ROW 7
3.	ANODE COLUMN 2	3.	CATHODE COLUMN 2
4.	ANODE COLUMN 3	4.	CATHODE COLUMN 3
5.	CATHODE ROW 8	5.	ANODE ROW 8
6.	ANODE COLUMN 5	6.	CATHODE COLUMN 5
7.	CATHODE ROW 6	7.	ANODE ROW 6
8.	CATHODE ROW 3	8.	ANODE ROW 3
9.	CATHODE ROW 1	9.	ANODE ROW 1
10.	ANODE COLUMN 4	10.	CATHODE COLUMN 4
11.	ANODE COLUMN 6	11.	CATHODE COLUMN 6
12.	CATHODE ROW 4	12.	ANODE ROW 4
13.	ANODE COLUMN 1	13.	CATHODE COLUMN 1
14.	CATHODE ROW 2	14.	ANODE ROW 2
15.	ANODE COLUMN 7	15.	CATHODE COLUMN 7
16.	ANODE COLUMN 8	16.	CATHODE COLUMN 8

1.ALL DIMENSIONS ARE IN mm, TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED.

2.THE SLOPE ANGLE OF ANY PIN MAY BE ±5.0° MAX.